DuPont Supply Chain in Argentina

Cyanide Code Principle 2
Transportation Audit

Summary Audit Report

Project No. 0223033
February 2014
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1. **SCOPE OF THE AUDITED OPERATIONS**

Name of Cyanide Facility: DuPont Supply Chain in Argentina  
Name of Facility Owner: E.I. DuPont de Nemours & Co (DuPont)  
Name of Facility Operator: DuPont Supply Chain in Argentina  
Name of Responsible Manager: Rodrigo E. Gonzalez  
Address: Av. El Bosque 500, Oficina 1102, Las Condes  
State/Province: Santiago  
Country: Argentina  
Telephone (562)23622428  
Fax: (562)23622428  
E-Mail: Rodrigo-Eduardo@dupont.com

DuPont Argentina, subsidiary of E.I. DuPont de Nemours & Co. is a consigner for sodium cyanide supply in solid state (briquettes) in Argentina. Currently, DuPont supplies to Gualcamayo mine located in western Argentina.  

Cyanide is transported to Argentina by ship and is delivered by the cargo company at the Buenos Aires Port. Ship unloading operations are performed by the Port Authority, which releases the container by placing it on a truck’s platform. At this point, the cyanide becomes responsibility of DuPont. Currently, the cyanide is transported directly to the mine, without the intervention of secondary storage facilities. The transport route operated from Buenos Aires Port to the mine is 1,404 km long.

This audit comprises the transportation operations from the moment the Ocean Carrier delivers the cyanide to the Port facility to its delivery in the client facilities (the mine). DuPont was first certified under the Cyanide Code principles in 2010. Records were reviewed from the date of the previous audit to October 2013.

Cyanide is packaged by the manufacturer (Du Pont USA) in the following way: primary packaging in a poly propylene super-sack filled up to 1 ton. The super-sack is then placed in a polyethylene bag to protect the material from water and humidity; finally the packaged material is placed in a wooden box (package type I). No less than 20 boxes are placed in standard 20-feet shipping containers (the containers); the exact number of boxes is to prevent lateral movement of the boxes within the container. To further prevent movement a block and brace is applied consisting of placing wood beams between the last box and the container’s door. Prior to shipping, the manufacturer seals the container with a tag with serial number at the production facility to prevent material losses. These seals are only removed at the mine.

DuPont performs every three years a due diligence of each port to ensure that there are acceptable safety measures for the cyanide handling and emergency response. The latest due diligences were performed in the two terminals of the port used by DuPont in July 2012.
DuPont subcontracts Víctor Masson Transportes Cruz del Sur S.A. (CDS) to transport sodium cyanide in Argentina. DuPont provides training to CDS’s drivers and convoy leaders, approves the crew used for each transport operation, and audits CDS on an annual basis to ensure compliance with their procedures. Additionally, DuPont has trained CDS’s Cyanide Transport Coordinator and convoy leaders to train the operators and to assess the routes to ensure these activities are performed even if DuPont personnel are not readily available. CDS has its own system to comply with the code and the training received from DuPont is redundant with the provided in house. CDS is a signatory to the Cyanide Code, and was certified in full compliance in December 2010 and, according to their recertification report, the company will be recertified as soon as its audit documents are finalized.

1.1. **OVERALL 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 transportation 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.

According to the information reviewed during the audit and the interviews performed, none of the elements of this supply chain has experienced compliance problems, cyanide related incidents, exposures or releases during the previous three-year audit cycle.

Audit Company: ERM Mexico, S. A. de C. V.
Audit Team Leader: Juan Carlos Rangel Lopez
E-mail: juancarlos.rangel@erm.com
Date(s) of Audit: 23 October 2013.

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 Transportation Operations and using standard and accepted practices for health, safety and environmental audits.
2. **DUPONT SUMMARY REPORT AS CONSIGNOR**

The operation is

- √ in full compliance
- □ in substantial compliance
- □ not in compliance

with the International Cyanide Management Code.

2.1. **TRANSPORT PRACTICE 1. TRANSPORT CYANIDE IN A MANNER THAT MINIMIZES THE POTENTIAL FOR ACCIDENTS AND RELEASES.**

2.1.1. **Transport Practice 1.1: Select cyanide transport routes to minimize the potential for accidents and releases.**

The operation is

- √ in full compliance with
- □ in substantial compliance with
- □ not in compliance with

Transport Practice 1.1

**Summarize the basis for this Finding/Deficiencies Identified:**

DuPont has the following procedure DUP-SA-Evalu Rutas “Routes Assessment Procedure”, latest updated in October 2013. DuPont’s route assessment procedure establishes the first step in the route assessment is to describe the route and the following safety criteria must be identified:

- Dangerous turns
- Steep slopes
- Main cities and population density
- Bridges
- Slides zones
- Intersection with rail roads
- Fog, ice, and snow areas
- Water bodies
- Environmentally sensitive areas
- Areas with high robbery risk
- Areas where driver could rest
- Any other conditions that may represent a risk.

It establishes that a physical inspection of the route must be performed by DuPont’s representative or by a convoy leader, trained by DuPont for these purposes, from the transportation subcontractor. During the inspection, the scheduled and rest stops are selected, as well as the places where the vehicles and drivers can stay overnight, the communication services available, emergency numbers, gas stations, police offices, sensitive areas, and communities are also...
identified. The areas where accidents are most likely to take place are also identified.

Based on the route inspection, a risk assessment is performed. The assessment is documented in a matrix where the transportation route is divided in sections considering crossings of urban areas, intersections with other roads, and other key points (e.g. mine check point). Each section is assessed for each of the route safety criteria mentioned and, based on these, a risk ranking is used (A for areas where incident risk is high to D where the risk is low).

A copy of the matrix is included in transportation procedure and as annex in the Emergency Response Plan. Additionally, a description of the points with a higher risk is included in the transportation procedure. The route assessment procedure also establishes that the route assessments must be updated as necessary and at least once per year by a DuPont representative or some enabled by DuPont to do so.

DuPont has the procedure DUP-AR-005 “Sodium Cyanide Ground Transportation to Gualcamayo” (latest revision May 2010, the transport procedure).

Preventive measures have been established in the transport procedure including: limiting the transportation activities to day-time only, a minimum 8 hr driver-rest period prior to starting a cyanide transportation operation, mandatory 10 minutes breaks approximately every two hours in pre-selected stop points during cyanide transportation operations, maximum driving journey of 12 hours, all shipments performed in convoys with at least one safety escort vehicle and a convoy leader. The procedure allows the convoy leader to stop the operations (in a pre-selected point) when the route conditions are unsafe (e.g. due to weather conditions). The evaluation matrices were used to develop emergency scenarios in the different route sections. Each scenario has specific preventive measures (e.g. establishing maximum speed of 20 km controlled by the truck driver leading the convoy in steep slopes).

DuPont requires the transporter to be a Code certified and to follow these procedures. Most of the requirements established in DuPont’s procedures are redundant with those implemented by the transporter currently used by DuPont.

Additionally, the transport procedure establishes that the convoy leader must prepare a report for each transport operation where he must include information on the weather, road, and traffic condition for each day; it must also record delays and the explanation for these. As previously noted, these requirements are redundant with those implemented by the transporter currently used by DuPont.

According to the transport procedures, DuPont organizes forums regarding cyanide transport and invites relevant institutions. In addition, DuPont provides training on emergency response to the Mining Ministry and mining companies, as
well as training on cyanide intoxication treatment to medical facilities along the route.

The transport procedure establishes that all shipments from the ports to the mine are performed in convoys and with at least one safety escort vehicle (where the convoy leader travels.

DuPont distributes on an annual basis updated copies of the sodium cyanide material safety datasheet the hospitals (five), firefighters (five) that are located along the route as well as the national and provincial police.

DuPont has an Evaluation, Selection, and Accreditation of Contractors for the Sodium Cyanide Transport and Storage (DUP-SA-COD-01, latest version March 2013). According to this procedure, the contractors must comply with the following requirements, among others:
- To comply with DuPont’s Sourcing and Logistic requirements (not related to the Code)
- To have safety standards and procedures
- To have a drugs and alcohol policy
- To have a training program
- To be a Certified under the Cyanide Code
- To have a maintenance program for its equipment

According to the procedures an initial assessment is performed prior to use the contractor services and then an annual audit is performed following DuPont’s verification protocol. This protocol consists of a 14 pages checklist which covers, among others, the following points:
- General information
- Frequency of work related and traffic related incidents and accidents
- Insurance
- Safety management system (MSDS, incident investigation procedures, corrective actions, documents and records control)
- Training program (including a list of 27 topics and records keeping)
- Hiring policies
- Disciplinary policies
- Driver control
- Rewards policies
- Safety leader
- Written work procedures
- Personnel protection equipment
- Hazardous materials management
- Emergency response
- Vehicle inspection
- Travel planning
- Transport equipment maintenance
- Occupational healthy
In Argentina, DuPont subcontracts CDS is certified under the Cyanide Code and is soon to be re-certified.

The 2011 and 2012 DuPont audits to CDS were performed by Mr. Gustavo Parada and Mr. Gustavo Barbieri. According to the reports records are also reviewed during the audits to support the answers to the checklists; the report also includes the action plan for the audit findings and the follow-up. According to the 2011 and 2012 checklist, CDS complies with DuPont requirements.

Additionally, DuPont ensures, through field supervision, training to the transporter personnel (redundant with that provided by the transporter), and by approving the crew used in the transport operations.

2.1.2. Transport Practice 1.2: Ensure that personnel operating cyanide handling and transport equipment can perform their jobs with minimum risk to communities and the environment.

The operation is

- [ ] in full compliance with
- [ ] in substantial compliance with
- [x] not in compliance with

Transport Practice 1.2.

Summarize the basis for this Finding/Deficiencies Identified:

DuPont’s transport procedures establish the following requirements for drivers:
- To be healthy
- To have the legally required driving license
- To be trained in defensive driving
- To be trained by DuPont in sodium cyanide handling and emergency response.

The procedure also establishes that the driver must have at least one rest day per week, must have rested at least 8 hours prior starting the trip, that a 10 minutes break must be taken approximately every two hours, and that the maximum work journey for the driver is 12 hours. Most of these requirements are redundant with the procedures implemented by the transporter.

The transport procedure also establishes that the convoy leader must have transport background, to be knowledgeable on basic mechanics, and leadership qualities.

Additionally, DuPont provides training on an annual basis in hazardous materials transportation and cyanide transportation to the convoy leaders so that they can provide training to the drivers and to CDS administrative personnel.

The following topics were covered during the training sessions:
Cyanide generalities
  o Cyanide uses and handling
  o Safety precautions when handling cyanide
  o Safety precautions when parking cyanide loaded trucks
  o PPE required for cyanide handling
  o Health effects of cyanide exposure
  o Signs and symptoms of cyanide intoxication
  o First aids
  o What to do in case of skin contact, ingestion, inhalation,
  o Emergency response, spill and fire

Cyanide Transportation
  o Route analysis
  o Safety talk
  o Training requirements to participate in cyanide transportation operations
  o Truck inspection requirements
  o Ocean container fastening to the truck
  o On the road operations
  o Fuel refilling
  o Breaks
  o What to do in case of mechanical failure

Emergency response
  o Product identification
  o Prevention of cyanide gas formation
  o Signs and symptoms of cyanide intoxication
  o First aids
  o What to do in case of skin contact, ingestion, inhalation,
  o Detailed safety instructions
  o Wet accident operations
  o Dry accident operations

Hazardous substances transportation
  o Type of accidents
  o Accident statistics (cause, location, type)
  o Classification of hazardous substances
  o MSDS
  o Vehicles and equipment
  o Hazards communication system (NFPA based)
  o Transport Labeling (UN based)
  o Vehicle cleanup
  o Parking safety
  o General safety measures
  o Vehicle inspection
  o Among others
  o Inspections by the authorities

DuPont, through its Transport Coordinator and its Technical Services Manager, verifies that the drivers have been trained in the previous twelve months and that
the trucks are included in the list of vehicles enabled for the cyanide transport operation.

The transport procedure establishes that the transporter must inform DuPont the name of the crew members and wait for authorization to proceed. DuPont reviews the information and ensures that the crew members are included in the list of trained drivers and authorizes by email. DuPont keeps a list of trained drivers.

DuPont ensures that its procedures are followed by CDS through annual audits, field supervision, and training and by approving the crew for each transport operation.

2.1.3. Transport Practice 1.3: Ensure that transport equipment is suitable for the cyanide shipment.

The operation is

- [√] in full compliance with
- [□] in substantial compliance with
- [□] not in compliance with

Transport Practice 1.3.

Summarize the basis for this Finding/Deficiencies Identified:

This element is not applicable to DuPont as a consignor. DuPont uses a transporter that has been audited and is certified.

However, DuPont’s transport procedure establishes the characteristics required for vehicles to be used for cyanide transportation including:
- The trucks and trailers to be included in a preventive maintenance program
- Permits required by the local authorities
- The procedure includes a list of 12 trucks and 13 platforms/chassis that have been approved for use in cyanide transportation operations

The transport procedure establishes that the convoy leader must inspect every truck and platform prior to the transport operation. A checklist, which includes questions about the truck conditions, the driver, the required documents, and truck accessories, is used to document the inspection. A checklist form is filled for each truck in the convoy.

The transport procedure establishes that each platform will be loaded with only one container and that each truck can only haul one platform trailer.
2.1.4. **Transport Practice 1.4: Develop and implement a safety program for transport of cyanide.**

The operation is

- [X] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

**Transport Practice 1.4**

*Summarize the basis for this Finding/Deficiencies Identified:*

This element is not applicable to DuPont as a consignor. DuPont uses a transporter that has been audited and is certified. CDS is certified under the Cyanide Code and is soon to be re-certified.

However, the transport procedure establishes that the load cannot be altered during the transportation process. To ensure this, tags are placed in the ocean container’s locks at the manufacturing facility. These tags can only be removed at the mine.

The procedures also establish that the transporter cannot divide the shipment or otherwise remove it from the container, which is redundant with the transporter’s procedures.

The containers received in the port are placed on platform trailers hauled by trucks without the need of changing the packaging.

DuPont’s transport procedure establishes that placards with cyanide’s UN number and poison signs must be placed in the container; this is verified through the vehicle inspection checklist. The convoy leader is required to have additional placards in case the container is missing one or more, which is redundant with the transporter’s procedures.

DuPont’s transport procedure establishes that:

- Inspections are performed prior the vehicle departs to the port facility for loading (documented through the vehicle inspection checklist)
- Inspections are performed prior to the departure from the port facility (special focus on twist lock) (no records established).
- The trucks and the platforms must be included in a preventive maintenance program
- Operators rest at least 8 hrs. prior to trip, should not drive for over 12 consecutive hours, and take a 10 min break approximately every two hours at pre-selected stops points where the risk has been assessed and ranked as low; the convoy leader ensures that these are the only programmed stops.
- Prior to departure, the convoy leader assesses the weather conditions and gets information about political issues on the road; if he deems it...
necessary he can postpone the trip and this decision is informed to the
mine and to DuPont.
- Prior to departure of every shipment and every morning during the
  transport operation, the drivers are tested for alcohol levels (blow tests
documented in a trip log).
- Load shifting within the container is not considered possible as all
  containers are filled with 20 boxes and block and brace is applied to
  prevent load movement.
- Container rollovers in different conditions (during the rainy season,
  crossing a river, in a curve, or crash) are considered and preventive
  measures are included in the Emergency Response Plan.

2.1.5. **Transport Practice 1.5: Follow international standards for transportation of cyanide by sea and air.**
The operation is

- [ ] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

Transport Practice 1.5.

*Summarize the basis for this Finding/Deficiencies Identified:*

As described in Section 1, the scope of this audit was from the moment the ship
delivers the cyanide at the Argentine port and its ground transportation
operations to mines in Argentina; therefore, this practice does not apply.
Nevertheless, DuPont forbids transporting cyanide by air means.

2.1.6. **Transport Practice 1.6: Track cyanide shipments to prevent losses during transport.**
The operation is

- [ ] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

Transport Practice 1.6

DuPont transport procedure requires the convoy leader to be provided with a
cellular phone and a satellite phone. The convoy leader must also have a cellular
phone and a radio. These requirements are redundant with the transporter’s
procedures

Transport procedure requires communication equipment to be tested prior to the
departure of the convoy and the inspection to be recorded in the vehicle
inspection checklist.

DuPont’s transport procedure establishes that the convoy leader must report the
progress of the convoy at the pre-selected stop points. The progress report is
provided by phone to the transporter base, which informs DuPont and other
interested parties of the convoy progress. A tabular report is generated with the time of arrival to and departure from the selected stop points, which is continuously sent by email to DuPont’s Technical Services Manager. Also, all incidents (e.g. mechanical failure) are reported immediately to DuPont and the client. This requirement is redundant with the transporter’s procedures which include a system to track the progress of the cyanide shipments.

DuPont locks and tags at the production facility the cyanide container. These tags are only removed at the mine. Additionally, DuPont provides a transport manifest (similar to a bill of lading) to the transporter that must be receipt stamped by the mine.

According to its audit report, the transporter has its own requirements to prevent loss of cyanide during shipment. CDS is certified under the Cyanide Code and is soon to be re-certified.

The transport procedure establishes that the bill of lading, the MSDS, and emergency response information are carried by each driver; in addition, DuPont requires the transporter to continuously provide information on the progress of the transport operations. This information is provided to DuPont by email. These requirements are redundant with those implemented by the transporter procedures.

### 2.2. INTERIM STORAGE: DESIGN, CONSTRUCT AND OPERATE CYANIDE TRANS-SHIPPING DEPOTS AND INTERIM STORAGE SITES TO PREVENT RELEASES AND EXPOSURES.

#### 2.2.1. Transport Practice 2.1: Store cyanide in a manner that minimizes the potential for accidental releases.

The operation is

- [ ] in full compliance with
- [ ] in substantial compliance with
- [x] not in compliance with

Transport Practice 2.1

*Summarize the basis for this Finding/Deficiencies Identified:*

Cyanide is transported directly from the port to the client sites without the intervention of interim storage facilities. This Practice does not apply to DuPont.

DuPont has procedures to store cyanide in a manner that minimizes the potential for accidental releases.
2.3. **EMERGENCY RESPONSE: PROTECT COMMUNITIES AND THE ENVIRONMENT THROUGH THE DEVELOPMENT OF EMERGENCY RESPONSE STRATEGIES AND CAPABILITIES.**

2.3.1. *Transport Practice 3.1: Prepare detailed emergency response plans for potential cyanide releases.*

The operation is

- [x] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

Transport Practice 3.1

**Summarize the basis for this Finding/Deficiencies Identified:**

DuPont has implemented an Emergency Response Plan (DUP-Arg-012, latest review October 2013). This plan has been agreed with CDS and the mines, which provides emergency response team and is responsible for the communication with the media. This is a detailed document of 42 pages plus one 6-pages annex for the served mine (Yamana Gualcamayo) with specific information and the risk matrices for the route and contact information of the mine. The Emergency Response Plan includes, among other information, roles and responsibilities, the emergency response team organization chart, emergency phone directory, communication channels guidelines, cyanide characteristics, emergency scenarios, and instructions to attend specific and general emergency scenarios.

According to their audit report, the transporter has its own emergency response plan that covers the scope of its responsibility as agreed with DuPont and that complies with the Code requirements.

The plan has a detailed (three pages) explanation of the sodium cyanide characteristics and toxicity based on the MSDS. The emergency scenarios, the general emergency response instruction, and the scenario-specific instructions consider the solid state of the cyanide.

Section 2 C of the Emergency Response Plan provides information regarding the packaging and transportation characteristics of the product, the container, and the transportation unit. All emergency scenarios developed are related to ground transportation: crash with another vehicle, vehicle rollover in steep slope or curve, rollover with spill, rollover with hurt persons, and rollover with the product reaching a water body, among other.

All the scenarios are in relation with accidents of trucks hauling a platform trailer carrying a 20-ft container, which is the only transportation modality used by DuPont and its subcontractors.
The Plan’s Sections 1.4 and 4.1 establishes the responsibilities for the members of the response team (the transporter personnel with assistance from DuPont); it also establishes that the external emergency response teams (police department, firefighters, etc.) will be used to secure the area, to communicate with the population and evacuate it if required, and to coordinate vehicular traffic in the area. It also includes responsibilities for the mine’s emergency response team. However, it recognizes that the mine or other emergency response team (e.g. firefighters which by law are responsible of attending the emergency) may request to control the emergency, in which case, the convoy leader would pass the control of the emergency to them but will remain on site to provide advice and support, if necessary.

2.3.2. Transport Practice 3.2: Designate appropriate response personnel and commit necessary resources for emergency response.

The operation is

- [ ] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

Transport Practice 3.2

Summarize the basis for this Finding/Deficiencies Identified:

As mentioned in practice 1.2 the drivers and the convoy leader have received training from DuPont in the emergency response procedures. Additionally, the plan has been agreed with the mine. The convoy leaders have received additional training from DuPont’s specialized personnel.

The Plan’s Section 4 establishes the responsibilities for the members of the initial response team (convoy leader and drivers), including the roles of the DuPont. It also includes responsibilities for the on-scene commander (from DuPont), the communications leader (responsible for contact with the authorities and the media).

Section 4.3 has a list of the required emergency response equipment (which is also included as a checklist of section 9.5 of the transport procedures. The list includes:

- 14 overall tyvek suits
- 8 pairs of leather gloves
- 8 pairs of PVC booths
- 8 safety glasses or goggles
- 4 pairs of impermeable gloves
- 2 danger tape rolls
- 2 hand lanterns
- 1 ducting tape
- Cyanide gas detector
- Water analysis kit
- 40 disposable respirators 8210
- 12 amyl nitrite shots
- 4 Shovels
- 4 safety cones
- 4 sweeps
- 1 emergency light
- 50 polyethylene bags
- 80 kg of calcium carbonate
- 45 kg of sodium hypochlorite
- 2 empty containers

The transport procedure establishes that the emergency equipment must be carried by the convoy leader in the safety escort vehicle. A checklist is used to verify that it is available and it is documented in the convoy leader report.

The Plan’s Section 7 establishes that all the training in relation with emergency response is to be provided on an annual basis. According to the reviewed training records, DuPont lectured three training sessions per year from 2011 to 2013.

2.3.3. Transport Practice 3.3: Develop procedures for internal and external emergency notification and reporting.

The operation is

- ✓ in full compliance with
- □ in substantial compliance with
- □ not in compliance with

Transport Practice 3.3

Summarize the basis for this Finding/Deficiencies Identified:

The Plan’s Section 3.A includes a communications flow diagram which can be summarized as follows: the convoy leader must inform the transporter base. The base will inform DuPont’s Customer Services from where all the internal communications are distributed. DuPont field coordinator, who receives backup from the on-scene commander, informs external emergency response teams, the mine, and DuPont. Section 3.B includes a list of the members of the internal response team members (including DuPont’s and the transporter) and that of external emergency responders (police, firefighters, hospitals, authorities, etc.). The mine contact information is included in the respective mine-specific annex. This is consistent with the transporter’s Emergency Response Plan; which also complies with the Code requirements.

The emergency notification and reporting procedures are included within the Emergency Response Plan. The Plan’s Section 8 establishes that it must be reviewed whenever modifications are required.
2.3.4. **Transport Practice 3.4: Develop procedures for remediation of releases that recognize the additional hazards of cyanide treatment chemicals.**

The operation is

- [x] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

**Transport Practice 3.4**

*Summarize the basis for this Finding/Deficiencies Identified:*

Section 5.6 of the Emergency Response Plan establishes the procedure to clean a spill and the decontamination of the area which consists of:

- wear the appropriate PPE
- isolate the area,
- deploy the emergency response kit
- test for HCN
- sweep the cyanide (it is handled only in dry state),
- collect the debris in plastic bags or drums,
- treat the area with calcium carbonate and then with a 5% sodium hypochlorite solution,
- wait at least 15 min,
- rinse the area with water, and
- wait for the area to dry and then remove the barricades.

This procedure was communicated to the different port authorities during the training provided as part of the due diligence process.

Section 5.9 establishes that chemicals should not be added in water bodies, and the use of sodium hypochlorite, oxygen peroxide and iron sulfate is limited only to puddles, and artificial water reservoirs. Additionally, it includes instructions for assessing the impact on surface water bodies and to prevent the population to be poisoned by contaminated water. These instructions are part of the emergency response instructions to cyanide spills with contact to water and water bodies. This procedure was communicated to the different port authorities during the training provided as part of the due diligence process.

2.3.5. **Transport Practice 3.5: Periodically evaluate response procedures and capabilities and revise them as needed.**

The operation is

- [x] in full compliance with
- [ ] in substantial compliance with
- [ ] not in compliance with

**Transport Practice 3.5.**

*Summarize the basis for this Finding/Deficiencies Identified:*

[Signature]

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The Plan’s Section 8 establishes that it must be reviewed whenever modifications are required. The transport procedure establishes that the convoy leader report must be used to update the assessment of the route. Both the Emergency Response Plan and the Procedure were last updated in October 2013.

The Plan’s Section 7.5 establishes that at least one emergency drill must be performed every year. The latest drills were the following:

- May 2013, a spill of cyanide from the truck into an area with water due to it was raining.
- November 2012, a crash with another truck.
- December 2011, a spill of cyanide from a wood box due to a crash with a pickup truck.

This drill was performed on the route and with the participation of the transporter and the mines.
3. **PORTS DUE DILIGENCE.**

This operation is

- √ in full compliance
- □ in substantial compliance
- □ not in compliance

with the International Cyanide Management Code.

DuPont has the procedure DuPont-SA-Cod-02 “Assessment, Selection, and Accreditation of Ports for the reception of Cyanide Containers” (Latest revision July 2010, herein after the ports assessment procedure), which requires performing a due diligence of the ports every three years. The aspects to assess during the due diligence are the following:

- Ship mooring
- Tugboat availability and resources
- Security
- Load lifting equipment
- Safety and emergency procedures as well as response capacity
- IMO Class 6 materials storage area
- Containers handling equipment
- Preventive and corrective maintenance programs
- Availability and use of personal protective equipment
- Medical resources
- Truck parking areas
- Supervision by the authorities
- Training plan

The ports assessment procedure establishes that these aspects must be assessed during a port inspection and includes a questionnaire/report format.

According to the reviewed ports’ due diligence reports (one for each of the terminals used by DuPont in the Buenos Aires Port), the latest took place in July 2012 and were performed by DuPont’s Technical Services Manager, who is also the responsible of providing cyanide handling and emergency response to the transporters, and external emergency responders.

According to the reviewed ports’ due diligence reports, there are sufficient safety measures to prevent releases in the two terminals.

Furthermore, during the ports’ due diligence process, DuPont visually inspected the equipment used by the ports for ship unloading and containers handling within the port; according to the visual inspection, these were found in good conditions and adequate for the tasks; however, DuPont had no access to maintenance records.
Additionally, DuPont has agreed with the customs authorities that the containers will not be open at the port for inspection but when they arrive to the mine. This reduces the time the cyanide is in the port and prevents the containers getting open by persons without training in cyanide handling.

Finally; the reports mention that the port terminals have their own emergency response plans and arrangements. To ensure the ports have personnel trained on cyanide handling and emergency response, DuPont provided training to ports representatives selected by the Port Authority during the due diligence process. As additional measure, DuPont personnel provided their contact details and offered technical support to the port representatives in case of emergency.
4. **TRANSPORTES CRUZ DEL SUR**

This operation is

- √ in full compliance
- □ in substantial compliance
- □ not in compliance

with the International Cyanide Management Code.

In Argentina, DuPont subcontracts CDS for the cyanide transport. CDS has been recently audited under the Code requirements by an approved auditor for recertification purposes. According to the audit report, CDS complies with the Code Principles and Practices applicable to transporters independent of DuPont. CDS is certified under the Cyanide Code and is soon to be re-certified.