



RESPONSIBLE CARE[®] Verification Report

METHANEX Corporation

May 2018



Chemistry Industry
Association of Canada



Responsible Care[®]
Our commitment to sustainability.

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EXECUTIVE SUMMARY

The 2018 verification of Methanex Corporation was conducted during January through May 2018. Physical site visits included the Vancouver Head Office, Water Front Shipping (Vancouver Head Office), the Canadian manufacturing site in Medicine Hat Alberta, The Latin America Marketing and Logistics office in Santiago Chile and the Chilean manufacturing site in Punta Arenas Chile. SKYPE meetings of one and a half hours were conducted with the Marketing and Logistics offices in Hong Kong, Brussels and Dallas. In addition, SKYPE meetings of one and one-half hour duration were conducted with manufacturing sites located in New Zealand, Trinidad, Geismar Louisiana, and Damietta Egypt.

During the SKYPE meetings the team interviewed site managers responsible for the administration of the Responsible Care related management systems.

At the Medicine Hat and Punta Arenas locations the team interviewed site personnel, a representative of the municipal emergency response department and members of the Community Advisory Panel.

The verification Team has listed twenty-nine Findings Requiring Action, twenty-two Improvement Opportunities, eight works in progress and thirty-eight Successful Practices. Two of the Findings Requiring Action have multiple sub-sections. One of these findings focuses on the need for additional or revised Corporate Standards to improve Corporate command and control, has eight sub-sections. The other Finding Requiring Action related to the Global Integrated Management System (GIMS) has six sub-sections and focuses on areas where the GIMS is not totally integrated with the CIAC Responsible Care Commitments. A complete listing of Findings Requiring Action, Improvement Opportunities, Works in Progress and Successful Practices can be found in the Summary of Verification Team Observations on pages four through twenty of this report.

This was the seventh verification of Methanex Corporation.

As referenced on page 34 of the 2018 report under the heading “Team observations on the Company Management Systems” The Verification Team identified specific gaps in the Responsible Care Management System relating to Operations Code Elements OP22,23,26,42 & 75. These code element areas were also identified as gap areas in the 2014 report. In a similar vein, during the 2018 verification, there were specific areas where the Corporate Management System components of “Doing” and Checking” are not robust enough to ensure all Responsible Care Commitments are addressed by site or Regional management systems. In addition to the Operations Code elements already identified the following code elements pertaining to manufacturing site surveys to determine if verbal and pictographic employee safety instructions meet legislated requirements, (OP22) Resource Conservation, (OP76-80) Business Continuity planning, (OP49-55) proactive contact and dialogue with local NGOs, (AC147-150) M/L office security vulnerability assessment reviews and providing translated versions of critical documents such as the Process Safety Management handbook and the Responsible Care Standard.

The verification team was very impressed with the level of support and enthusiasm for the Responsible Care Ethic and Principles for Sustainability. This support and enthusiasm for Responsible Care was demonstrated at every location physically visited by the team and through the SKYPE video interview process. During team caucuses and post SKYPE interview discussions, it was often commented that each location demonstrated a similar level of enthusiasm for Responsible Care.

Moving forward, the verification team would recommend that the New Plymouth site(s) be visited as part of the 2021 verification. There are two reasons for making this recommendation. The New Plymouth location was last visited in November 2014 and it is one of two regional manufacturing sites where the Responsible Care related environmental health and safety management systems have not been certified by a third party such as the internationally recognized International Organization for Standardization. (ISO) The other site where this situation applies is Punta Arenas and it was visited as part of the 2018 verification. It is also a recommendation of the verification team to include Waterfront Shipping (WFS) as one focus area for the 2021 verification. WFS corporate level manager interviews and management system reviews, have been included in past verifications. In the interim, WFS has made great strides in applying Responsible Care related Standards, Policies and functional Management systems to their marine operations. It is this latter area where the team is of the opinion that an in-depth review including third-party crew and ship management systems and even ship board operational management systems would most benefit WFS and Methanex.

The team also observed that a significant number of “best practices” are in-place within the Global Methanex Organization. However, because the Company organizational structure is based on wholly owned subsidiaries and a certain level regional “autonomy”, it appears to an outside observer that a “silo effect” exists. While there are various global cross-functional teams, there does not appear to be a management system or process to capture and evaluate these wonderful programs and initiatives for application throughout the Organization. In the interest of continual improvement, Methanex is encouraged develop a management system or process to assimilate these best practices for adaptation throughout the global organization.

The Company requested priority areas of focus pertaining to this verification, nine in total, are listed on Appendix #3 in this report. In each case the Verification Team commented on the Company’s understanding of their Responsible Care Commitment and the development and application of appropriate management systems to address these specific Commitment areas. There is one addendum to this report dated May 17th. 2018. (page 40) and four report appendices. The Company response to the verification report. (page 43), verification interviewee lists (page 44), comments on Company requested focus areas (page 47) and a sampling of recent Company awards for initiatives related to Responsible Care achievements. (page 52).

As a result of the examination conducted, the verification team is of the opinion that the Responsible Care Ethic and Principles for Sustainability are guiding company decisions and actions, and that a self-healing management system is in place to drive continual improvement. The team believes that the company is capable of responding to the range of Findings Requiring Action identified during the re-verification, summarized below and discussed in detail in the report. The re-verification of Methanex Corporation has been completed and no further involvement is required by the verification team. The final report will be shared with the Western Canada Leadership Group and the general public at each Methanex location.

Signed: 
Team Leader:

Date: December 4, 2018

For more information on this or a previous Responsible Care Verification Report, please contact your local company site or the company’s overall Responsible Care coordinator:

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SUMMARY OF VERIFICATION TEAM OBSERVATIONS

FINDINGS REQUIRING ACTION: (Corporate Standards & management systems)

Team observations concluded that due to the varied Methanex geographical locations and the cultures related to these locations, the Company management systems for Health, Safety, Security, Environment & Sustainability (HSES), also contained in the Global Integrated Management System (GIMS) would be enhanced by the following Corporate Standards:

1. There is a **Finding Requiring Action** to develop: (ten subsections)

i) A Site emergency response training Standard based on NFPA requirements appropriate for the risk levels associated with methanol production. The standard could be modelled on the Medicine Hat and Geismar emergency response training management systems. (OP45)

ii) A Site emergency equipment Standard including appropriate fire response vehicles, (pumper trucks) associated equipment and sufficient foam capabilities for each location. Again, the requirements of the standard could be based on the equipment in place at Medicine Hat. (OP42)

RE: findings in sub-sections i) & ii). Other company locations such as the Geismar LA location described effective management systems for personnel emergency response training and the required emergency response equipment, but the verification team based the Finding on an in-person visit to the Medicine Hat site.

iii) There is a Corporate Site Vulnerability Assessment Standard that explicitly requires site vulnerability assessments (SVA) on a set frequency. It also requires an annual site or location security review. However, there are gaps in the “Checking” process as some locations are not adhering to the SVA Standard requirements in relation to the two areas mentioned above. (OP48)

NB: Example. The last completed SVA for the Punta Arenas site was July 2011. This finding is predicated on the requirements of the 2010 edition of the CIAC Responsible Care Ethic & Principles for Sustainability.

iv) A site traffic control Standard that requires the separation of vehicular and personnel traffic. Marked pedestrian walkways including, warehouses, parking areas and combined vehicle and personnel entrance areas. (based on Medicine Hat & Punta Arenas site visits. Ref: (OP22)

v) There is a Corporate Industrial Hygiene Management System (IHMS) Standard that explicitly requires an IHMS be in place at each manufacturing location. It is also a requirement that the IHMS be based on the guidelines of the American Conference of Governmental Hygienists. (ACGH) However, there are gaps in the “Checking” process as some manufacturing sites have not fully implemented the requirements of this Corporate standard. (OP26), GIMS Element #5 (2.b)

NB: examples

- The Geismar facility does not have a formal IHMS “but the management system requirements are audited as part of the RC 1400” The initial RC 14001 certification is scheduled for 4Q 2018. Are the requirements similar to those of ACGH or OSHA 3134?
- The Trinidad facility reported their IHMS was estimated to be 30% complete in April 2018.
- In Chile oversight and auditing of the IHMS is a state responsibility. A cross-reference document should be developed to ensure compliance with the Corporate Standard.

vi) A Business Continuity Standard based on the CIAC Business continuity Planning and Implementation Aid. (or equivalent) In concert with a Business Continuity Standard implement a Management System to contact and support employees during a catastrophic event when conventional communication systems are not operational. (OP49-55). This finding is predicated on the requirements of the 2010 edition of the CIAC Responsible Care Ethic & Principles for Sustainability. Operations Code elements OP49-55. Also reference the CIAC Security Vulnerability Assessment tool. 2015 Revision.

vii) Develop a New Employee Training Standard based on Employee Training Management Systems in-place at the Medicine Hat & Geismar locations. (OP22)

viii) In support of the Methanex Responsible Care Commitments and the objectives of the Methanol Institute; there is a **Finding Requiring Action** to develop a Methanol Vapor Recovery Standard that applies to all Methanex methanol loading facilities for road, rail and marine. (OP30)

ix) Each Methanex site management system also requires a proactive investigation of near-miss occurrences and have in-place a comprehensive root cause incident analysis process to identify and record systemic safety management system failures. It is also a management system requirement that a summary of “Lessons Learned” and corrective actions be identified, recorded in the corporate incident tracking and corrective action data base. These findings and corrective actions are to be shared with other company locations and, where applicable, with other industry association companies. Upon review of this investigation and reporting management system the verification team has noted a **Finding Requiring Action** to review the effectiveness (Do, Check, & Act) functions of this management system to ensure “Lessons Learned” bulletins are generated for all significant incidents, are recorded in the corporate data base; are acknowledged by each location and the ensuing location corrective action and implementation are recorded in the incident management database.

x) In addition, it is the team’s opinion that There is a **Finding requiring action** to modify section 4.6 of the Corporate Code of Conduct to require that employees receive **training** in the CIAC Responsible Care Codes and Principles for Sustainability. (OP81-84) and training in the corporate requirement for incident reporting.

FINDINGS REQUIRING ACTION: (GIMS related)

i) It is a **Finding Requiring Action** to revise GIMS Element #4 “Community and Stakeholder Engagement,” Performance Requirement #1. The description of stakeholders should include third parties acting on behalf of Methanex. (AC125-133) See example below.

“The communication and dialogue expectations below apply to company-owned or leased sites, including stand-alone distribution, warehouse, terminal and R&D facilities, as well as to the sites of other parties which handle company-owned raw materials or products, or provide services on behalf of the Company such as warehouses, terminals, toll manufactures and toll packagers”

ii) It is a **Finding Requiring Action** that the Global Integrated Management System (GIMS), Element three be expanded to incorporate a Global Responsible Care Training Program (MAP) and incident reporting training. (OP56)

iii) It is a **Finding Requiring Action** to amend GIMS Element #8 to explicitly require a management system that includes the risk communication requirements of Operations Code Element (OP39) and Accountability Code Elements (AC129 & AC 144).

iv) It is a **Finding Requiring Action** to modify GIMS Element #11 to include the requirement for a site-specific dislocation policy. Ref: Operations Code elements (OP38, 46).

v) It is a **Finding Requiring Action** that there is a gap in “GIMS Element #21 in relation to the “checking” process as there is not a written requirement that all employees receive training in, and understand the requirement that all identified internal and external audit findings, for example, CDI-T&M audit findings be entered in the central Corporate database (KMI) for action tracking and management. (Checking & Doing)

vi) It is a **Finding Requiring Action** to modify the appropriate GIMS Element to require a management system for:

- pro-active engagement with NGOs, (AC147-150) (GIMS element 4)
- management of change for personnel, (OP7) (GIMS element 10)
- promotion of Responsible Care by name, (Requirement of all 3 Codes)
- add promotion of Responsible Care to the GIMS document “Scope”.

viii) It is a **Finding Requiring Action** to develop a Corporate management system to promote Responsible Care “by name”.

FINDINGS REQUIRING ACTION: (Water Front Shipping related)

i) It is a **Finding Requiring Action** to develop a Management System that ensures appropriate safety data sheets are available and reviewed by crew members involved in “back hauling” non-methanol products. (ST104-105)

FINDINGS REQUIRING ACTION: (Medicine Hat)

i) It is a **Finding Requiring Action** to develop site Management System that requires a periodic assessment and evaluation of waste contractors, (including waste haulers and waste facilities. (OP75)

ii) It is a **Finding Requiring Action** to review the Management System for contractor training and adherence to safety requirements. (OP25) (AC133) Occurrence: A contract employee not wearing hearing protection and unaware of Responsible Care.

iii) It is a **Finding Requiring Action** to evaluate the site Management System(s) to ensure the requirements of Operations Code Elements OP23-24 are being applied. Occurrence: A Site tour revealed a broken window (not recent), a broken handrail, poor laboratory housekeeping, an unhygienic eyewash station (replacement planned), a tripping hazard as the result of deep rut in the walking surface caused by mobile equipment and the health centre outside door could not be fully opened due to ground heaving. Fire extinguisher inspection tags were out of date. The team was informed that fire extinguisher inspections are recorded electronically. Old inspection tags should be removed and replaced with notification of electronic tracking.

FINDINGS REQUIRING ACTION: (Geismar related)

i) It is a **finding requiring action**, at the Geismar site, that the Geismar site has not fulfilled the CIAC and GIMS commitment to have in-place “an industrial hygiene management system appropriate to the health hazards in the workplace”. (OP26) and Methanex GIMS element #5(2.b)

FINDINGS REQUIRING ACTION: (Punta Arenas related)

In most Chilean jurisdictions local and state related agencies have implemented regulations to, at some level of competency, regulate the handling and treatment of waste outside a privately- owned facility. The CIAC Responsible Care Commitments, however, require member companies to implement internal policies and procedures that assess, and continually strive to improve, how much hazardous and non-hazardous waste is generated on-site and how that waste is transported and disposed off-site.

i) It is a **Finding Requiring Action** that there is not a proactive management system in-place to support Operations Code Elements OP65-67 and OP 73-75.

REFERENCE CODE ELEMENTS OP65-67 COMMITMENT:

OP 65(b) requires waste either to be destroyed or treated in an environmentally sound manner; OP 66 (c) requires rejection of dilution processes where commercially available treatment exists; OP 67 (d) requires rejection of long-term storage where commercially available treatment exists;

REFERENCE CODE ELEMENTS OP73-75 COMMITMENT:

OP 73(j) requires continual evaluation of improved waste management and disposal technology; OP 74(k) participation in or support as appropriate the development of improved technology and treatment/disposal facilities; and OP 75(g) requires periodic assessments of practices, procedures and waste treatment facilities, including contractors and waste transporters.

ii) It is Somewhat unique within CIAC member companies that raw material availability is somewhat capricious. Availability and conservation of the primary raw material for Methanex operations (natural gas) is a focus of most manufacturing sites. The CIAC Responsible Care Commitments, however, require member companies to implement additional internal policies and procedures that “strive for a continual improvement in reducing the foot-print of its operations with the respect to the consumption of resources”

It is a **Finding Requiring Action** that these proactive policies and procedures, to support Operation Code Elements OP76-80 are not in place.

REFERENCE CODE ELEMENTS OP76-80 COMMITMENT:

OP 76(i) during the development of improvement objectives consider the impact of raw materials, supplies, energy and utilities, and the application of potential alternatives; OP 77(ii) consider the significance alternatives of these in the output/consumption balance, and opportunities for improvement; OP78(iii) consider the effects that alternatives may have on the quality and uses of the company’s products together with downstream and upstream effects in the value chain; OP79(iv) consider other effects such as associated waste, by-products; and OP80(v) consider societal implications of these alternatives, in Chile and elsewhere.

iii) It is a **Finding Requiring Action** that the 2004 Qualitative Risk Assessment (QRA) for the process unit “Chile One”, that was utilized as part of the 2016 Process Safety Analysis (PSA) of that unit, is outdated and the risk parameters need to be re-established. (OP 28-29)

iv) It is a **Finding Requiring Action** that the re-established calculations be recorded in British Standard Units (PSI, pounds per square inch) so the potential pressure wave hazard to the cafeteria and administration office can be analyzed with the engineering terminology utilized within Methanex. (OP7)

v) It is a **Finding Requiring Action** that the Punta Arenas site review and modify their management systems to comply with the specific requirements of Operations Code sub-section 5, Environmental Protection and Element (OP 58) which requires, as an example, a site waste elimination and recycling management system. (abandoned drums and tires stored near a maintenance area)

FINDINGS REQUIRING ACTION: (New Plymouth related)

i) It is a **Finding Requiring action** to develop a Management System to periodically assess the practices and procedures of waste treatment facilities and waste removal contractors including transporters. (OP-75)

FINDINGS REQUIRING ACTION: (Marketing & Logistics related)

i) There is a Finding Requiring Action, within the Global Regional Marketing & Logistics organizations, that the Corporate Standard for Transport Emergency Response Planning (TEAP) has not been fully implemented. [This](#)

finding is predicated on the requirements of the 2010 edition of the CIAC Responsible Care Ethic & Principles for Sustainability. Operations Code elements OP 41-47.

IMPROVEMENT OPPORTUNITIES: (Corporate related)

i) There is an Improvement Opportunity to modify Corporate Level documents supporting site Community Dialogue Management Systems and local Community Advisory Panel (CAP) charters, to encourage adding a student(s) position on the Community Advisory Panel (CAP) to provide a broader perspective for the CAP as well as exposing students to the science, technology, engineering and mathematics (STEM) opportunities in the Chemical industry.

ii) There is an Improvement Opportunity at the Vancouver office to conduct an SVA in relation to:

- a)** The mail sorting process and the identification and handling of suspicious packaging. (malicious intent)
- b)** Review of the courier security check process allowing access to Methanex offices.
- c)** Providing periodic employee review and retraining on these topics as required.

iii) There is an Improvement Opportunity to have the Process Safety Management Handbook for Senior Leaders and the Responsible Care Behavior Standard, translated into the language appropriate for specific regions and sites.

iv) There is an Improvement Opportunity to address the “checking” process in relation to the Green Star Eco-Friendly Office Energy and Resource Conservation Program. The initiative was launched in 2013 with an implementation target of 12/15 elements in-place by 2014. The status of element implementation is unclear to the verification team. **This Improvement Opportunity is predicated on interviews at various office locations where there was not a clear indication of the status of implementation of this excellent initiative or plans moving forward.**

v) There is an Improvement Opportunity to develop a management system to ensure proactive involvement of internal and external financial resources and contacts in the administration and support of Responsible Care. (AC141-143)

REFERENCE CODE ELEMENTS AC 141-143 COMMITMENT:

This category includes investors, shareholders, lenders, insurance companies and others with whom the company has a financial relationship. It also includes the parent organizations of subsidiaries or branch operations. For these, the company shall implement ongoing processes that:

AC 141 a. meet its long-term financial goals; AC 142 b. ensure its fiduciary responsibilities are met in an ethical manner; and AC 143 c. promote Responsible Care by name within the groups described above. These code elements require the development of management systems that leverage the Company’s significant Responsible Care Commitments within the financial community.

vi) There is an Improvement Opportunity to add the expectation of no deep well waste disposal to the Global Standard for Waste Management.

IMPROVEMENT OPPORTUNITIES: (GIMS related)

i) There is an Improvement Opportunity to complete a more in-depth cross-reference document between the CIAC code elements and subsections and the various ISO standards utilized at four of the six manufacturing sites.

ii) There is an Improvement Opportunity to thoroughly review this cross-reference document annually as part of the annual attestation process.

IMPROVEMENT OPPORTUNITIES: (Waterfront Shipping related)

i) There is an Improvement Opportunity for Waterfront Shipping to ensure the installation of “anonymous hotlines” on the three vessels not so equipped.

IMPROVEMENT OPPORTUNITIES: (Medicine Hat related)

i) There is an Improvement Opportunity to develop a Management System (data base) to identify previously used waste disposal facilities. (ST111)

ii) There is an improvement Opportunity to review the current management system related to the installation, maintenance and monthly checks of safety showers, eyewash stations and fire extinguishers. The verification team would recommend the Medicine Hat site adopt the following standards. For eyewash and safety showers ANSI/ISEA Z358,1-2014. For fire extinguishers NFPA 10-2018. In addition, reassess the need for physical inspection status tags on both extinguishers and eyewash stations.

iii) There is an Improvement Opportunity to conduct a site survey to determine if verbal and pictographic employee safety instructions meet legislated requirements and reflect the potential site safety hazards and potential industrial hygiene hazard exposure.

IMPROVEMENT OPPORTUNITIES: (Trinidad related)

i) There is an Improvement Opportunity to consider adding a student(s) position on the Community Advisory Panel (CAP) to provide a broader perspective for the CAP as well as exposing students to the science, technology, engineering and mathematics (STEM) opportunities in the Chemical industry.

IMPROVEMENT OPPORTUNITIES: (Santiago Regional M/L office related)

i) There is an Improvement Opportunity at the Santiago office to conduct an SVA in relation to:

- a) The mail sorting process and the identification and handling of suspicious packaging. (malicious intent)
- b) Review of the courier security check process allowing access to Methanex offices.
- c) Provide periodic employee review and retraining on these topics as required.

IMPROVEMENT OPPORTUNITIES: (Punta Arenas related)

i) There is an Improvement Opportunity at the site to assess the need for a level two muster point, or access to transportation home, for employees potentially exposed to inclement weather or an expanding site emergency that prompted the initial evacuation.

ii) There is an Improvement Opportunity to provide the Punta Arenas Municipal emergency responders with an adequate foam supply specifically for methanol fires.

iii) There is an Improvement Opportunity ensure cafeteria staff have the appropriate training on site risks and incident reporting expectations.

iv) There is an Improvement Opportunity to address the crucial community dialogue issues described an addendum to this report concerning a Company presence in Punta Arenas and proactive and continuous dialogue concerning natural gas consumption by Methanex. This should be initiated by senior Company officials within Methanex (Santiago) and include Site Senior Management along with Community, Government and CAP members. (Stakeholder mapping)

IMPROVEMENT OPPORTUNITIES: (New Plymouth related)

i) There is an Improvement Opportunity to revisit the methanol tanker vapor recovery project at Port Taranaki. This project, in the approval stage in November, 2014 was recorded as an Improvement Opportunity in the CIAC 2014 verification report. A 2018 verification review of the process revealed that the project was not

approved based on a cost benefit analysis. The verification team recommends a project viability review taking into account non-monetary considerations such as the 2015 Methanol Institute recommendations for methanol loading vapor recovery and the CIAC Responsible Care Commitment to “work for the improvement of people’s lives and the environment, while striving to do no harm”.

ii) There is an Opportunity for Improvement for the New Plymouth site to review the Business Continuity Plan to ensure it addresses a long-term closure (partial or total destruction of the site) and a method to contact and support employees (satellite phones) should landline and cell phone communication be disrupted long term.

iii) There is an Opportunity for Improvement to develop a Management System to support the Responsible Care Commitment in relation to community dialogue with Non-governmental Organizations. (NGOs) (AC-147-150) To date the site focus has been on dialogue with Indigenous people. The Community Dialogue Management System should be expanded to identify and dialogue with other area NGOs.

IMPROVEMENT OPPORTUNITIES: (Geismar related)

i) There is an Improvement Opportunity at the Geismar site to ensure Methanex is added to the CAER group member list web page for Ascension Parish.

WORKS IN PROGRESS (Corporate related)

i) There is a Work in Progress to implement the “Safety Case” risk assessment management system to each manufacturing location. At the time of the 2018 verification this risk assessment management system had been implemented at the New Zealand location.

WORKS IN PROGRESS (Medicine Hat related)

i) While the primary site response to a site emergency would be “shelter in place”, there is a work in progress at the Medicine Hat site to assess the need, during a site evacuation, for a level two off-site muster point, or access to transportation home, for employees potentially exposed long-term to inclement weather or an expanding site emergency that prompted the initial evacuation. (OP22-23)

ii) There is presently a Work in Progress to modify the management system related to the function of the present JHSC to ensure alignment with the Work Safe Alberta requirements for site JHSCs. This alignment involves publication of Committee meeting times, Committee meeting minutes and action items, and the status of Committee safety improvement suggestions to management. (OP27)

NB: It is of note that the Medicine Hat location had an in-place a Joint Health & Safety Committee (JHSC) well in advance of the most current Provincial Legislation requiring such committees be established in the workplace.

WORKS IN PROGRESS (Dallas Regional M/L office related)

i) There is a Work in Progress at the Dallas M/L office to continue to develop a transportation route risk assessment Management System that would be administered by third party distributors. (OP14)

WORKS IN PROGRESS (Punta Arenas related)

i) There is a Work in Progress to develop a site Fugitive Emissions Management System. (OP60,62)

ii) There is a Work in Progress to align site policies and procedures with the Corporate Standard for emergency Response. (OP44)

iii) There is a Work in Progress at the Punta Arenas site to inform the Methanex site employees and contractors and ENAP employees about the hazards related to recently completed Qualitative Risk Assessment of the neighboring ENAP facility. ENAP is a local federally owned natural gas company. (OP35,39)

NB: Methanex is to be commended for being proactive in completing this risk assessment of the ENAP facility.

WORKS IN PROGRESS (Trinidad related)

i) There is a Work in Progress to complete the assessment and subsequent management system changes associated with a recent site qualitative risk assessment that indicated a change in the site risk profile impingement area. (AC129)

SUCCESSFUL PRACTICES (Corporate related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

i) The CEO's use of social media as an employee communication vehicle. The Corporate intranet has an Ask the CEO" portal that provides a one on one interface between employees and the Methanex CEO.

ii) The site visitation schedule maintained by the CEO and Board of Directors.

iii) The "lunch with the CEO" event held at the Vancouver Head Office is video-recorded and distributed to Methanex locations for viewing and discussions.

iv) The Methanex Sustainability Report lists and references the CIAC Principles for Sustainability.

Methanex is a Canadian company and member of the CIAC The CIAC Principles for Sustainability are somewhat unique and have been in-place since 2010. These Principles are applicable world-wide.

v) The Corporate "Duty of Care" Management System the focuses on safe and secure employee travel.

vi) The Process Safety Handbook developed for senior managers and the Responsible Care Behavior Standard booklet for all Methanex employees.

vii) The Corporate plan to introduce a "Safety Case" Risk Assessment and Communication Management System in all Methanex sites.

viii) The 2013 implementation of the Green Star Eco-Friendly Office program which focuses on office energy and resource conservation.

ix) "Switched on to Responsible Care" workshop which is a two-day Responsible Care workshop for all employees. These workshops are now being extended to site contractors. In 2017 one thousand Methanex employees received this training.

x) Conducting a video conference meeting between the Medicine Hat Alberta and the Taranaki New Zealand Community Advisory Panels to discuss local issues of mutual concern and interest.

SUCCESSFUL PRACTICES (Waterfront Shipping related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

i) Inert gas blanketing capabilities for the product storage tanks on all new Waterfront Shipping vessels.

ii) New vessel safety-related construction specifications are above industry norms.

iii) Waterfront Shipping requires one extra bridge officer (above legal staffing requirements) to help combat officer fatigue.

iv) Waterfront Shipping requires, and promotes within the industry, “European” ship-board standards for crews. This results in less crew quarter crowding, better food and more ship board amenities like crew exercise and entertainment areas.

SUCCESSFUL PRACTICES (Medicine Hat related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

i) The installation of upgraded process equipment that resulted in a sixty percent reduction in nitrous oxide emissions.

ii) The Medicine Hat site has received commendations from the ABSA which is the company charged by the province of Alberta with auditing companies in the province certified to operate pressure vessels and associated equipment.

iii) The Medicine Hat site’s comprehensive new employee/process operator Training Management System. One unique feature is a “trainee” presentation on the training topic to demonstrate their knowledge of the subject matter.

iv) The site’s Responsible Care Behavior Standard where by site employees receive graduated awards for Responsible Care performance improvement suggestions.

v) The development of a Human Factors Maturity Model as a methodology to minimize the human contribution to safety related incidents through the design and implementation of process equipment and the associated procedures and training.

vi) The development of Management Systems to promote a “Just and Fair” Corporate culture. The objective of a Just and Fair culture is to ensure Management Systems are in place to ensure employees are aware of the criteria for performance reviews, promotions, raises or bonuses, disciplinary action and qualification for various benefits.

vii) Implementation of The Green Star Eco-Friendly Office program which focuses on office energy and resource conservation.

SUCCESSFUL PRACTICES (Dallas Regional Office M/L related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

i) The development of a Management System Standard entitled “Basics of a Safe Transloading” Program that has been promoted by Responsible Distribution Canada.

ii) The stretch objective to have all new Tank cars built to US DOT117 specifications by 2023.

iii) The development of a Tank Car Maintenance Management System that requires a comprehensive tank car maintenance frequency of five years verses an industry standard on ten years.

SUCCESSFUL PRACTICES (Santiago Regional Office M/L related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

- i) A training Management System video entitled “A Responsible Care Culture” that is utilized for in-house and value chain training.
- ii) The utilization of a third-party safety consultant to achieve specific Responsible Care goals throughout the region.
- iii) The issuing of “Emergency Evacuation Plan for Hotel stays” to visitors This is a wallet sized tri-fold card which has a placeholder for hotel key cards, etc. along with generic emergency procedures for earthquakes and fire. These tri-fold cards were developed at the Methanex Auckland commercial office and provided to the verification team at the Santiago Chile M/L office.
- iv) The community outreach activities and sustainability initiatives by the Latin American Region and specifically the Punta Arenas manufacturing site. Reference: www.methanexresponsiblecareandsustainabilityreport.com

SUCCESSFUL PRACTICES (Punta Arenas related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

- i) The Punta Arenas site recently completed a Qualitative Risk Assessment (QRA) on the neighboring ENAP (Chilean federally owned natural gas company) facility. The site is to be commended for taking the initiative to complete this important QRA which involved obtaining the permission and co-operation of the ENAP facility management. The site has a Work in Progress initiative to educate the site employees and contractors on the potential hazards related to the ENAP facility.
- ii) The Community Dialogue outreach initiative entitled “Inclusive” which focuses on job training and placement for challenged residents in the Punta Arenas area.
- iii) The site visitor safety video is very effective and has a hearing-impaired component.
- iv) The electronic tracking, with a site access card, of employee and contractor training certification status.
- v) The safety training video developed on-site entitled “Hearts and Minds”.
- vi) A site Management System that allows employees to bring depleted house hold batteries to the site for recycling.

SUCCESSFUL PRACTICES (New Plymouth & Auckland related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

- i) The site’s comprehensive pre-maintenance turn-around meetings entitled “Team Alignment Day”. During these meetings work process and Health & Safety hazards are reviewed with site personnel and contractors prior to the beginning of the turn-around project.
- ii) The site Management System for fatigue management during hectic process maintenance “turn around” activities. Workers are limited to ten-hour work days and six days a week work schedule with one mandatory day off.

iii) The site “turn around” (TAR) information access AP electronic communication board that has pertinent information on the site turn around status, potential safety issues, upcoming events etc. The communication board also allow for questions from the community.

iv) The “Emergency Evacuation Plan for Hotel stays”. This is a wallet sized tri-fold card which has a placeholder for hotel key cards, etc. along with generic emergency procedures for earthquakes and fire. It also lists appropriate local emergency numbers and contacts specific to the location being visited. These tri-fold cards are provided as part of the site safety orientation. These tri-fold cards were developed at the Methanex Auckland commercial office and provided to the verification team at the Santiago Chile M/L office.

SUCCESSFUL PRACTICES (Trinidad related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

- i) Site specific procedural and health and safety training for the site contractor transient workers.
- ii) Scheduled audits of site third-party security contractors.
- iii) The “Mentoring Our Children Program that has a focus on high-potential children from low income families.

SUCCESSFUL PRACTICES (Damietta related)

The following Management Systems and activities are judged by the verification team to be Successful Practices.

- i) Equipped Damietta Fever Hospital with 125 patient beds and five kidney dialysis machines.
- ii) Supplied education furniture and upgrades for local kindergarten Kafr Sa'ad, Al Ibn Al Khas association, benefiting 250 children with special needs.
- iii) Establishing kidney dialysis center Health Damietta Population at large.
- iv) Patients beds for Damietta Fever hospital Health Damietta Population at large.
- vi) Providing and aiding in the distribution of Ramadan food Bags by seventeen local NGOs that served thousands of widows & orphans during Ramadan.
- vii) Providing furniture for Al Ibn Al Khas association Education Program for 115 special needs pupils.
- viii) The project to utilize the Damietta site effluent to irrigate gardens (non-fruit bearing plants) in the city of Damietta. The Compliance Action Plan and the Environmental Impact Assessment was reviewed by the Egyptian Environmental Affairs Agency in June 2017. Methanex has received approval and the project expected completion date is 2018.

INTRODUCTION

About Responsible Care Verification

As a member of the Chemistry Industry Association of Canada (CIAC), the most senior executive responsible for Methanex Corporation operations in Canada attests annually to CIAC and its peers that the company's operations conform to the expectations contained in the Responsible Care Commitments and are guided by *Responsible Care Ethic and Principles for Sustainability*.

The Responsible Care® Ethic and Principles for Sustainability

We are committed to do the right thing, and be seen to do the right thing.

We dedicate ourselves, our technology and our business practices to sustainability - the betterment of society, the environment and the economy. The principles of Responsible Care® are key to our business success, and compel us to:

- work for the improvement of people's lives and the environment, while striving to do no harm;
- be accountable and responsive to the public, especially our local communities, who have the right to understand the risks and benefits of what we do;
- take preventative action to protect health and the environment;
- innovate for safer products and processes that conserve resources and provide enhanced value;
- engage with our business partners to ensure the stewardship and security of our products, services and raw materials throughout their life-cycles;
- understand and meet expectations for social responsibility;
- work with all stakeholders for public policy and standards that enhance sustainability, act to advance legal requirements and meet or exceed their letter and spirit;
- promote awareness of Responsible Care, and inspire others to commit to these principles.

As an element of this commitment to Responsible Care, Methanex Corporation must, every three years, participate in an external verification intended to:

1. Provide the Executive Contact with an external perspective when assessing if the company is indeed meeting the intent of the Responsible Care Commitments, along with advice on areas that may require attention;
2. Identify opportunities for assisting the company when benchmarking its own practices and performance against those of its peers, thus supporting continual improvement;
3. Contribute to the credibility of Responsible Care amongst company personnel and stakeholders, as well as the stakeholders of the broader industry;
4. Identify successful company practices that can be promoted to peers in the CIAC membership; and
5. Support the identification of areas of common weakness so that collective tools and guidance can be developed to improve performance in those areas across the CIAC membership.

Verification is conducted according to a common protocol, developed by the association's members and others, including several critics of the chemical industry. The verification is conducted by a team consisting of:

- Knowledgeable industry experts with experience in Responsible Care;
- A representative of the public at large (usually with a public interest background and with experience in Responsible Care gained from serving on the CIAC's National Advisory Panel) and;
- One or more representatives of the local communities where the company's facilities are located.

Once completed, the Verification Report is made publicly available through the CIAC website (www.canadianchemistry.ca). Methanex Corporation is also expected to share the report with interested persons in its communities and other stakeholders as part of its ongoing dialogue processes.

Additional information on Responsible Care and / or the verification process can be found at the CIAC website www.canadianchemistry.ca, or by contacting CIAC Responsible Care at glaurin@canadianchemistry.ca or (613) 237-6215 extension 233.

The verification team was comprised of the following individuals.

Name	Affiliation	Representing
Cameron Dillabough	CIAC	<i>Team Leader</i>
Debbie Krukowski	CIAC	<i>Representing the Community at large</i>
Jon Sookocheff	Medicine Hat Community	<i>Representing the Medicine Hat Community</i>
Rosa Zuniga	Communal Neighbor Union	<i>Representing the Punta Arenas Community</i>
Humberto Vidal	State University	<i>Representing the Punta Arenas Community</i>
Greg Moffatt	Director of Government & Stakeholder Relations for Western Canada, CIAC	<i>The Chemistry Industry Association of Canada</i>

About Methanex Corporation.

Methanex a Canadian company, headquartered in Vancouver, is the world's largest producer and supplier of methanol to major international markets in North America, Asia Pacific, Europe and South America. Methanex has approximately 1,100 employees worldwide. Manufacturing sites are located in Medicine Hat Alberta, Geismar Louisiana, Trinidad, Damietta Egypt, Punta Arenas Chile and New Plymouth New Zealand. Each manufacturing site is part of a wholly owned subsidiary of the Methanex Corporation. Waterfront Shipping, also a wholly owned subsidiary of Methanex, is headquartered in Vancouver and is a marine logistics company that provides company owned or leased marine tankers for methanol shipments.

Marketing and Logistics (M&L) regional offices are located in key marketing hubs including: Hong Kong (Asia Pacific); Santiago, Chile (Latin America, including Mexico); Dallas, Texas (North America); and Brussels, Belgium (Europe). In the Middle East, Methanex has a Business Development office in Dubai, UAE. In Europe, there is a satellite office in Billingham, UK which is managed directly from Brussels. Asia Pacific in-region satellite offices have been set up in Seoul, South Korea; Tokyo, Japan; and Shanghai, China; all reporting directly to Hong Kong. There is a business development and government relations office in Beijing, serving the needs of the Asia Pacific region. Additional information on the company is available on the corporate website www.methanex.com

About This Verification

The 2018 verification of Methanex Corporation was conducted during January through May 2018. Physical site visits included the Vancouver Head Office, Water Front Shipping (Vancouver Head Office), the Canadian manufacturing site in Medicine Hat Alberta, The Latin America Marketing and Logistics office in Santiago Chile and the Chilean manufacturing site in Punta Arenas Chile. SKYPE meetings of one and a half hours were conducted with the Marketing and Logistics offices in Hong Kong, Brussels and Dallas. In addition, SKYPE meetings of one and one-half hour duration were conducted with manufacturing locations in New Plymouth, New Zealand, Trinidad, Geismar Louisiana, and Damietta Egypt. At the Medicine Hat and Punta Arenas locations the team interviewed site personnel, a representative of the municipal emergency response department and members of the Community Advisory Panel. During the SKYPE meetings the team interviewed site managers responsible for the administration of the Responsible Care related management systems.

This was the seventh verification on Methanex Corporation.

TEAM OBSERVATIONS CONCERNING THE RESPONSIBLE CARE COMMITMENTS

TEAM OBSERVATIONS CONCERNING THE OPERATIONS CODE.

The Operations Code defines expectations for a company's actions in meeting the Responsible Care Ethic and Principles for Sustainability as they relate to all operational aspects of the company's business including but not limited to manufacturing, transportation, warehousing, laboratories and offices. Practice of this code is intended to result in:

- the protection of people, property and the environment through the responsible management of the company's operations;
- the assurance that the management systems necessary for responsible operations are in place and are functioning effectively.

Each company shall have controls which govern all operational aspects of its technology and business practices, with particular emphasis on those aspects that directly affect the safety, health and wellbeing of employees and others engaged in the company's operations.

Verification Team comments: Methanex Corporation has in-place at each manufacturing facility the appropriate Responsible Care management systems to comply with expectations of the Operations Code. This includes; design and construction of facilities and equipment, operations activities, process safety management, site security, environmental protection and resource conservation. There are six Regional manufacturing locations which resulted in the collective Findings Requiring Action, Improvement Opportunities, Works in Progress and Success Practices.

TEAM OBSERVATIONS CONCERNING RESOURCE CONSERVATION.

As a synopsis of the Verification Team review of the Operations Code, Section #6. "Resource Conservation" it appears that there is not a cohesive Corporate approach to the Operations Code Elements OP76-80 throughout the Company. Each location does have some aspects of the required resource conservation management systems, but the focus tends to be with specific site or Regional issues such as availability and cost rather than reducing the operational foot-print. This has been noted in findings Requiring Action pertaining to OP76-80 at specific locations and Corporate wide application of the CIAC Water Use Metrics. The Verification Team noted **thirteen Findings Requiring Action** related to the application of the Operations Code at individual manufacturing sites and Waterfront Shipping. Also noted were **fifteen Opportunities for improvement, four Works in progress and thirty-one Successful Practices.**

TEAM OBSERVATIONS CONCERNING THE STEWARDSHIP CODE.

1. Purpose and Scope

The expectations of this code are met in the context of sustainability and managing risk for the betterment of society, the environment and the economy. The Stewardship Code defines the expectations and commitment required to comply with the Responsible Care Ethic and Principles for Sustainability as they relate to the stewardship of raw materials, products, processes, equipment, technologies, services and applications throughout their lifecycles. This code applies in part or in whole to all entities and businesses in the value chain including third parties including toll manufacturing. The code is applicable to the life cycle of raw materials, products and services provided to or from company-owned or leased operations under both direct and indirect control of the company. The code is also applicable to the lifecycle of the products, processes and services imported and sold by the company. Operations and activities, including business relations with relevant stakeholders, will not occur if they cannot be done in accordance with the expectations of this code.

Verification Team Comments.

Marketing and Logistics.

While the Stewardship Code is entwined in all aspects of product production, at Methanex the Stewardship Code underpins the activities of the three Regional Marketing and Logistics Groups. The Marketing and Logistics function includes the Methanex wholly owned subsidiary Waterfront Shipping which provides the marine methanol tanker resources for the Marketing and Logistic groups.

In this report Executive Summary, the verification team has made a recommendation to include Waterfront Shipping as a verification focus area for the 2021 verification. The geographic “Regions” within Methanex have considerable managerial autonomy but from Stewardship Code perspective these groups not only diligently apply the Responsible Care Codes and Ethic but have developed unique management systems in the areas of Communication Through the Value Chain, Transportation and Physical Distribution, and Management of Third Parties. (customers & distributors) Third party auditors, CDI group, conduct detailed audits of third-party terminals and marine carriers. The verification Team has noted **Two Findings Requiring Action, two Improvement Opportunities, one work in progress and ten Successful Practices** pertaining to the management systems of Waterfront Shipping and the Marketing and Logistics groups. As is the norm at Methanex the Marketing and Logistics groups contribute time and resources to improve their relative “communities”. For a more comprehensive view of some Methanex employee initiatives in this area visit: www.methanex.com/2017rcsustainability#productstewardship

TEAM OBSERVATIONS CONCERNING THE ACCOUNTABILITY CODE

1. Purpose and Scope

The Accountability Code defines the expectations and commitments required to comply with the Responsible Care Commitments as they apply to the principles of accountability and the public’s right to know and understand all aspects of company operations. Included are stakeholders not otherwise covered by the Operations and Stewardship Codes. Accountability Code expectations are:

- Defining the “community” based on the site risk profile.
- The identification of all internal and external stakeholders.
- The effective two-way flow of information with these stakeholders.
- Maintenance of needed security and protection of intellectual property.
- Development of a management system where by stakeholders feel engaged by their opportunity to provide input and feedback on company decisions and actions.
- The recognition by stakeholders of Responsible Care by name.

Verification Team Comments:

It is important to note that the communication and dialogue expectations apply to company-owned or leased sites, including stand-alone distribution, warehouse, terminal and research & development facilities, as well as to the sites of other parties which handle company-owned raw materials or products, or provide services on behalf of the company, such as warehouses, terminals, toll manufacturers and toll packagers.

Methanex Corporation has very comprehensive management systems to comply with the expectations of the Accountability Code. Each of the six manufacturing sites utilizes a Community Advisory Panel as principle methodology to achieve two-way dialogue with the community. The marketing and Logistics groups utilize open house information days in conjunction with distributors and one-on-one training and information exchanges with transportation partners. Each manufacturing site participates annually in a localized emergency response training exercise or regional transportation emergency response exercises. In locations which local emergency responders may not have the resources for advanced training, such as Latin America, Methanex sponsors this training. Lastly as a Corporate Ethic Methanex has a commitment to be involved in the betterment of the communities in which they have manufacturing or other business interests and they encourage and support their employees’ involvement in these activities. For a more comprehensive view of

some Methanex initiatives in community dialogue please visit www.methanex.com/2017rcsustainability#com

PROMOTING RESPONSIBLE CARE BY NAME.

Verification Team Comments:

As a company, Responsible Care is synonymous all Company management systems and dialogue related to the environment, employee health and safety and sustainability. The Ethic of Responsible Care is a demonstrable part of day-to-day decisions made by Methanex management and employees. This awareness of the Responsible Care Commitments and Ethic was demonstrated at each location visited by the verification team and as much as could be discerned, through site SKYPE interviews.

The CIAC Responsible Care Commitments, however, require a formal management system for the promotion of Responsible Care by name.

The verification team listed a **Finding Requiring Action (FRA)** as part of the GIMS related FRAs, to develop such a management system for the promotion of Responsible Care by name.

APPENDICES TO CODES: SOCIAL RESPONSIBILITY

Social responsibility can be defined as being aware of and including the interests of various stakeholders, society in general and consideration for the environment in the decision-making process or management systems within an organization. Social responsibility cannot be achieved by one-time decisions and activities. A corporation, at the corporate, regional and site level, should have in-place management systems to identify its stakeholders and understand their concerns and expectations.

Also, a statement should be developed that reflects the corporation's view of social responsibility, recognizing that social concerns and aspirations will be constantly evolving.

Methanex Social Responsibility Statement:

“At Methanex Responsible Care and Sustainability mean that we adhere to the highest principles of health, Safety, environmental stewardship and social responsibility. We are committed to having a positive impact on the communities and environments in which we live and work, and to acting responsibly.”

Methanex Corporation can be viewed within the CIAC as a “benchmark” company from a Social Responsibility perspective. The Company has various initiatives throughout the world. 2017 highlights of these initiatives can be viewed at www.methanex.com/2017rcsustainability#socialresponsibility

APPENDICES TO CODES: INVOLVEMENT IN PUBLIC POLICY PROCESS

Each company should develop a definition of what sustainability means for that company. Based on that definition, each company should develop principles for public policy engagement in support of sustainability. Based on both of those, each company should follow the plan-do-check-act process to advance public policy issues in support of its principles, appropriate to the corporate, regional and operating-site levels. While involvement in public policy processes is mainly addressed in the Accountability Code, this type of engagement is important in enabling companies to meet the expectations of the Operations and Stewardship Codes. For example, involvement in municipal planning processes is key to meeting “buffer zone” expectations, and public policy for chemical testing and approval is key to chemical substance or product stewardship.

As a result of the Methanex overall business philosophy and their support of the Responsible Care Ethic they are very proactive in supporting this CIAC Commitment. Company senior officers and managers participate at the CIAC Executive Leadership level and they are active participants and supporters of various CIAC subcommittees. Representatives of Methanex interface on a regular basis with governmental representatives

at all levels of government where they have business interests. Methanex is also active in various industry associations related to the production and shipment of methanol.

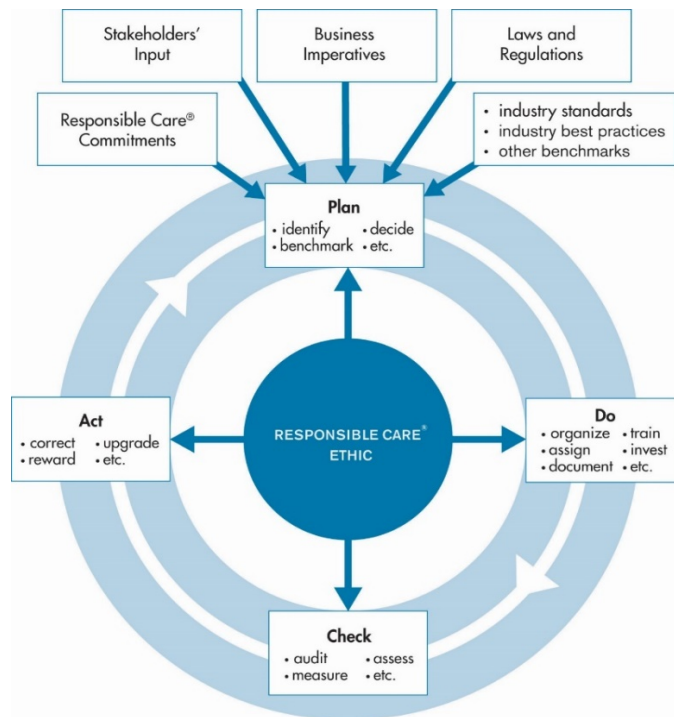
TEAM OBSERVATIONS ON THE COMPANY MANAGEMENT SYSTEM

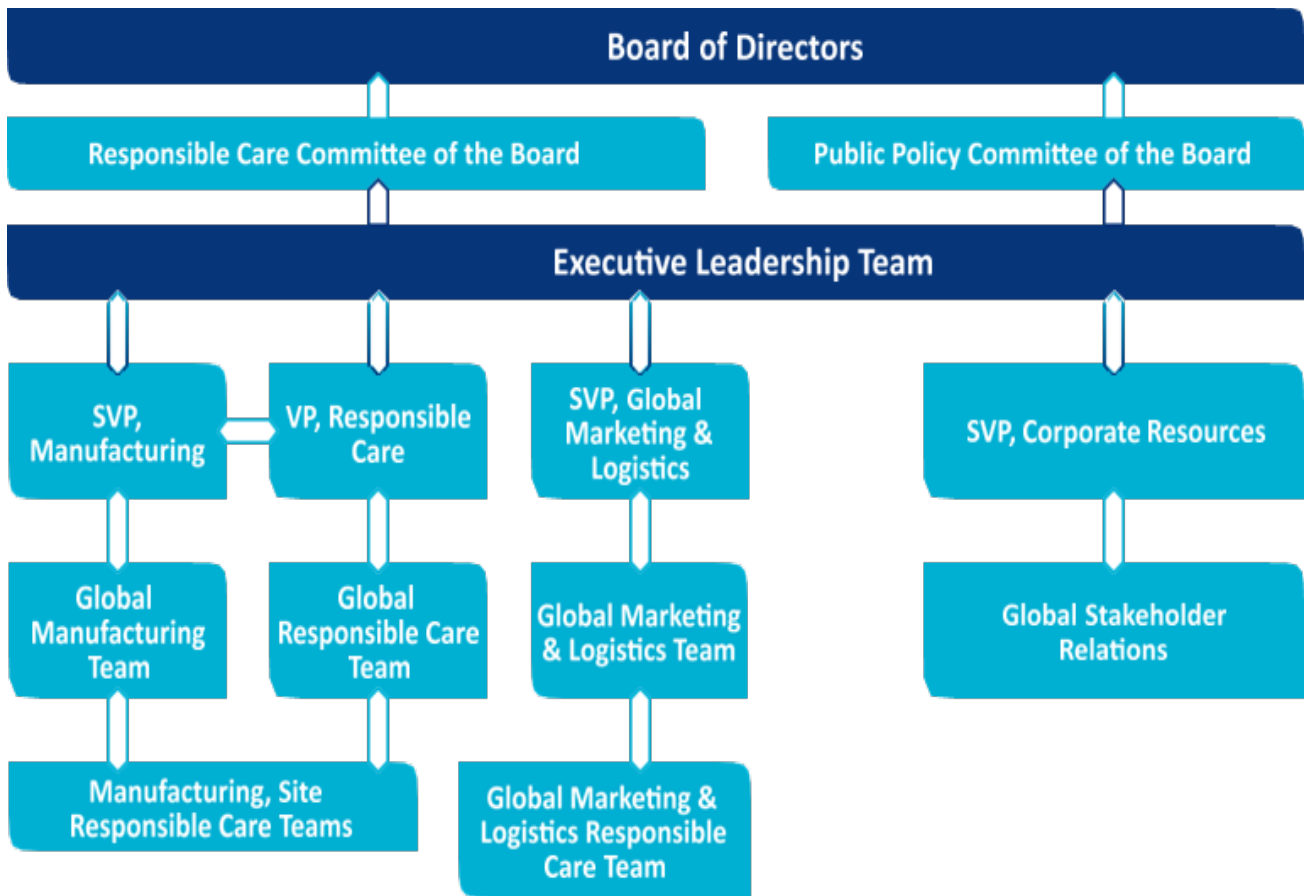
The Methanex Corporation head office organization is a matrix that includes Waterfront Shipping the marine logistics provider. Each manufacturing location wholly-owned subsidiary of Methanex Corporation. As previously noted, marketing and logistics (M/L) regions are located in four major worldwide locations. Each manufacturing site and Region have considerable autonomy in achieving the Corporate and Regional goals and objectives. Command and control is maintained through Corporate Standards, including those related to the Methanex commitment to Responsible Care, the Global Integrated Management System (GIMS) and a Corporate level (level one) audit process. Manufacturing site and M/L office document control is linked to an ISO 9000 (quality) certification. Additional ISO certified Environmental Health, Safety and Responsible Care management systems can be implemented at each individual site but must meet or exceed the GIMS requirements.

iii) The Trinidad site is to be commended as it is the only Methanex location to achieve ISO9001; RC14001; ISO14001 and OHSAS18001 certification and a Chemistry Industry Association of Canada Responsible Care verification.

The verification team would also like to comment on potential human resource issues related to the management of Responsible Care and GIMS throughout the world and specifically the “Checking” process. GIMS is a good start in standardizing management systems but two of the six manufacturing sites do not have Responsible Care/ ISO related management systems e.g. RC14001 & OHSAS18001 which include structured internal and third-party external audits. Upon review of the corporate audit schedule it would appear that some required auditing is in arrears and perhaps audit requirements and oversight could be re-evaluated with similar structured management systems in-place at each location.

The Verification Team identified specific gaps in the Responsible Care Management System relating to Operations Code Elements OP22,23,26,42 & 75. These code element areas were also identified as gap areas in the 2014 report.





The image on page 20 is a depiction of a Plan, Do, Check and Act continual improvement management system that underpins the CIAC member company Responsible Care Commitment.

The image above is a depiction of the Methanex Corporation organization chart. As can be seen there is a Responsible Care focus throughout the organization with a dedicated Responsible Care Sub-Committee of the Board of Directors, a Vice-President level responsibility for the functionality of Responsible Care and Global Responsible Care team members embedded in each geographic Region.

Observations on the Methanex PLAN Step

Corporate goals and objectives, both immediate and long term, are developed by the Methanex Management Team in Vancouver. These goals and objectives address both economic growth and stability and, in addition, Responsible Care and Sustainability focus areas for Methanex. These corporate goals and objectives are coupled with supporting initiatives within each of the Regions and locations. Supported by Corporate Standards, the Global Integrated Management System (GIMS) is the overarching functional management system that addresses required management systems for the four Regions (North America, Latin America, Asia Pacific, European union) six manufacturing sites (Canada, United States, Chile, Egypt, Trinidad New Zealand) and the Marketing and Logistics functions.

Observations on the DO Step

Paraphrase from GIMS Element 6 Objectives and targets:

“The Organization shall establish strategic goals based on identified risks and opportunities and external and internal issues at organizational, regional and site levels. Objectives shall be specific, measurable, achievable, relevant, and time bound (SMART), and shall be documented, communicated, and resourced appropriately. Leaders, teams, and individuals shall establish objectives and key performance indicators (KPIs) that are

consistent and aligned with the organization’s objectives. Responsible Care related commitments shall be supported with objectives established and managed through the performance management process and shall have clearly defined responsibilities. The organization shall consider how actions to achieve objectives can be integrated into the organization’s business processes as appropriate to sustain the performance. The organization shall maintain a monitoring process to track progress and evaluate achievement of intended business results.”

Observations on the CHECK Step

Paraphrase from GIMS Element 22 Assessment and Evaluation:

“Each Region and site shall establish and implement an assessment program to gather feedback on the management system and the work processes and evaluate their effectiveness. The program shall include evaluations both external third party (e.g. insurance and regulators) and internal (e.g. workplace inspections, safe work practices, management system audits, terminal and marine). Each Region and site shall document a schedule of inspections and audits at frequencies appropriate to the assessed level of risk, external stakeholder expectations, and relevant feedback (e.g. enterprise and location risk registers, incidents, compliance status, customer satisfaction, previous audit results).

Each Region and Site assessment program shall define the responsibilities and methods for planning, conducting, and reporting requirements of the assessments. The level 2 internal audit program must cover all the applicable requirements included within the defined scope of the organization.

Each Region and site shall ensure that inspectors and auditors are competent, objective, and impartial to achieve valid and reliable feedback.”

Observations on the ACT Step

Paraphrase from GIMS Element 21 Measurement and Reporting:

“Data is collected, analyzed, and reported to evaluate operational performance and success in achieving intended Responsible Care and business Management Systems results. The organization shall provide competent people and adequate resources to achieve valid and reliable results through sound quality assurance practices. These practices include calibration, verification, and safeguarding of equipment. The organization shall collect, analyze, and evaluate appropriate data and information to ensure the fulfillment of compliance obligations, conformity of products and services, customer satisfaction, effectiveness of managing risk and opportunities, and effectiveness of the management systems. The organization shall establish, implement, and maintain processes to ensure appropriate reporting of performance to management, employees, and relevant authorities and stakeholders, as required by legislation and by the organization’s voluntary commitments. The organization shall regularly evaluate the suitability and effectiveness of the performance metrics and indicators in measuring performance.”

TEAM OBSERVATIONS ON THE RESPONSIBLE CARE ETHIC AND PRINCIPLES FOR SUSTAINABILITY

Listed below are the eight Principles for Sustainability that underpin the CIAC and Methanex commitment to Responsible Care. As noted in the preceding report the Methanex commitment to these Principles can be viewed as a benchmark within the CIAC For brevity the Verification Team will comment on each of the eight principles, but several examples could be cited for each Commitment area.

WORK FOR THE IMPROVEMENT OF PEOPLE’S LIVES AND THE ENVIRONMENT, WHILE STRIVING TO DO NO HARM:

This principle is best demonstrated by one of the Methanex Corporation’s prime business objectives which is the acceptance of methanol and methanol blends as a substitute for carbon-based fuels. Methanex has invested extensive resources in this endeavor which has been demonstrated in their commitment to methanol powered ships.

BE ACCOUNTABLE AND RESPONSIVE TO THE PUBLIC, ESPECIALLY OUR LOCAL COMMUNITIES, WHO HAVE THE RIGHT TO KNOW THE RISKS AND BENEFITS OF WHAT WE DO:

Methanex maintains an active Community Advisory Panel at each of their six manufacturing sites in six different areas of the world. Management Systems are in place both at the corporate and local level to ensure longevity and vigor.

TAKE PREVENTATIVE ACTION TO PROTECT HEALTH AND THE ENVIRONMENT:

INNOVATE FOR SAFER PRODUCTS AND PROCESSES THAT CONSERVE RESOURCES AND PROVIDE ENHANCED VALUE:

There are management systems in-place to support the intent of this principle. At the Medicine Hat Alberta facility 2017/2018 process upgrades reduced the site nitrous oxide emissions by sixty percent. Total Company carbon dioxide emissions have been reduced by thirty-four percent since 1992 and since 2002 marine carbon dioxide emissions have been reduced by twenty percent.

ENGAGE WITH OUR BUSINESS PARTNERS TO ENSURE THE STEWARDSHIP AND SECURITY OF OUR PRODUCTS, SERVICES AND RAW MATERIALS THROUGHOUT THEIR LIFE CYCLES:

Methanex has in-place comprehensive management systems to support this Principle. As previously noted the Marketing and Logistics Groups have developed innovative processes to support this principle in non-traditional markets. The Verification Team has noted a **Finding Requiring Action** in relation to the application of the Methanex Corporate Standard for Transportation Emergency Response in all geographic areas.

UNDERSTAND AND MEET EXPECTATIONS FOR SOCIAL RESPONSIBILITY:

Methanex exceeds expectations in the application of this Principle. The Verification Team has noted several **Successful Practices** pertaining to Social Responsibility in this report. For additional in-site please reference: www.methanex.com/2017rcsustainability#com

WORK WITH ALL STAKEHOLDERS FOR PUBLIC POLICY AND STANDARDS THAT ENHANCE SUSTAINABILITY, ACT TO ADVANCE LEGAL REQUIREMENTS AND MEET OR EXCEED THEIR LETTER AND SPIRIT:

Methanex has the appropriate management Systems in-place to support this Principle. Methanex proactively promotes this Principle within the CIAC and other industry associations where they play an active role. Based on this verification it is apparent that Methanex also is active in supporting this Principle in all jurisdictions where they conduct business.

PROMOTE RESPONSIBLE CARE® AND INSPIRE OTHERS TO COMMIT TO THESE PRINCIPLES:

Responsible Care is linked to all relevant Methanex Management Systems and publications. Knowledge of Responsible Care and the application of the Principles of Responsible Care by third parties in the value chain as well as others with which the Methanex does business, is an expectation. The Verification Team did note a **Finding Requiring Action** to ensure the GIMS includes a specific reference to “promoting Responsible Care by name.”

Addendum to the 2018 verification Report: (May 17th. 2018)

The 2018 Methanex verification concluded with a visit to the Punta Arenas Manufacturing site. Information gathered in interviews with site personnel responsible for Community Dialogue and, more importantly, with Community Advisory Panel (CAP) members prompted the team to produce this report Addendum well before the estimated completion date of the 2018 Verification which culminates with issuing of the verification report. The urgency was prompted by comments from CAP members indicating the perception among Punta Arenas residents was that the start-up of the Chile 4 production unit would once again result in natural gas shortages and perhaps price increases for Punta Arenas residents and businesses.

The team was told during interviews with CAP members that there was concern within the community concerning natural gas supplies and the role Methanex plays in natural gas availability and the potential depletion of supply to the community.

It was the recommendation of the CAP that Methanex seek to address these concerns immediately. It was felt that the sooner this issue was discussed with the community the better position Methanex would be in to provide accurate information in a proactive rather than reactive manner. In the short term, the verification team strongly recommends that the leadership of the Punta Arenas site formulate an action plan to discuss the best way to disseminate correct information to the community and continue to address the concerns of the Punta Arenas residents.

As an Improvement Opportunity the Punta Arenas site should review the Community Dialogue Management System and implement changes to interact on continuous basis with the community to inform Punta Arenas residents on overall natural gas availability and when gas consumption is voluntarily reduced by the Punta Arenas site to ensure consistent gas availability and price for the community.

To achieve both long term and short-term goals the verification team recommends:

- That sufficient resources, both human and financial, be available to achieve these two objectives.
- That there be a third-party professional guidance in developing and delivery of the message. (there is a third party presently utilized by the site for this purpose)
- That the content and the delivery method of the message be driven locally with input and guidance by the CAP)

A secondary issue is the absence of a Methanex office in the City of Punta Arenas. When site operation levels were at maximum output, with four operational methanol production units, there was a Methanex office in the city and an identification with the company. With a major down turn in production, and a re-evaluation of resources, the office was closed. The CAP advised that with the office closure there was a disconnect with the Methanex site and the community. (NB: the manufacturing site is located 19KM outside Punta Arenas) The Community Advisory Panel's suggested resolution is the return of a dedicated office in Punta Arenas which would function as an information conduit for residents and businesses of the city. This Improvement Opportunity will be listed in the 2018 verification report.

VERIFICATION TEAM CONCLUSION

As a result of the examination conducted, the verification team is of the opinion that the Responsible Care Ethic and Principles for Sustainability are guiding company decisions and actions, and that a self-healing management system is in place to drive continual improvement. The team believes that the company is capable of responding to the range of Findings Requiring Action identified during the re-verification, summarized below and discussed in detail in the report. The re-verification of Methanex Corporation has been completed and no further involvement is required by the verification team. The final report will be shared with the Western Canada Leadership Group and the general public at each Methanex location.

COMPANY RESPONSE TO VERIFICATION REPORT

COMPANY RESPONSE TO VERIFICATION TEAM REPORT On behalf of Methanex Corporation I have reviewed this verification report. The observations and conclusions contained in the report have been discussed with the verification team.

Methanex will communicate the results of the verification exercise with its CIAC peers at their next meeting, and will discuss the verification results with our stakeholders, including those representing communities near our operating sites.

We will give consideration to the Improvement Opportunities identified by verification team and will assist the CIAC in communicating and sharing the identified Successful Practices to other CIAC members. Plans will be developed and implemented to respond to the Findings Requiring Action identified by the verification team. Our progress in implementing those plans will be discussed when preparing our Annual Statement of Re-Commitment to Responsible Care and communicated to the verification team at the time of our next verification.

Brad Neumann Vice President, Responsible Care Methanex Corporation April 14, 2015

COMPANY REQUESTED AREAS OF FOCUS

TEAM COMMENTS:

Responsible Care Commitments Appendix A: Social Responsibility.

As per Appendix “A” of the Responsible Care Ethic & Principles for Sustainability guide lines. Methanex Corporation has a well-defined management system for applying the CIAC Social Responsibility expectations to the day to day operations of the Company. The Company has a Social Responsibility statement of its’ goals and objectives that are visible and understood throughout the Company. The Company produces an annual report entitled the “Responsible Care and Sustainability Report” that lists Company achievements in this area. (see address below) Based on site information provided for this verification each manufacturing site and Regional Marketing & Logistics office develop annual plans and objectives in the areas of social responsibility that are applicable to their specific geographical areas and societal needs. There is also an expectation and willingness that employees will provide personal time equity, as representatives of Methanex, to aid in achieving localized social responsibility improvement goals.

The one caution the verification team would offer in this area would be to ensure the management systems pertaining to the three main areas of “community dialogue” remain identifiably separate in the eyes of the community. Social responsibility work is by nature a mostly “one-way”, all be it beneficial, communication with community and may mask other issues that might result from two-way Community Advisory Panel dialogue or interface with Non-Governmental Organizations. Each site or Region should have in-place a focused third management system for risk communication. Operations Code element OP39, Accountability Code elements AC129 & AC144 have specific expectations involving risk communication.

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Responsible Care Commitments Appendix B: Involvement in Public Policy.

Responsible Care Ethic & Principles for Sustainability Guideline Appendix “B” and Accountability Code elements AC137-AC140.

Based on site and regional interviews and documentation the verification team determined that in a general sense Methanex has processes in-place to support the CIAC expectations in these areas however there did not appear to be structured management system approach to the CIAC expectations for involvement in public policy development. Commitment to public policy development appeared to be the result of “the way we do things at Methanex” rather than a structured world-wide approach. The team would recommend that Methanex develop a management system that can be applied world-wide and will provide structure as company and business criteria undergo future changes. Some suggested management system components could be:

- Develop specific generic job description expectations for Corporate, Regional and Site managers relating to public policy involvement. (some ACC companies make this part of the RCMS)
- Develop position related objectives for specific geographic locations based on community dialogue.

Responsible Care Benchmark. Water Use Metric

This management system requires CIAC member companies to collect and report water use on an annual basis to CIAC This process is in-place at the Medicine Hat AB site. The remaining Methanex manufacturing locations report internally as per the Methanex Water Use Standard which globally supports the CIAC Principles of Sustainability by tracking water use at each manufacturing location. Each manufacturing location is expected to develop water conservation management systems.

Operations Code. OP1-6. Equipment Integrity Management System.

At present within the Methanex Corporation there is a proposal to adopt a “Safety Case” hazard recognition and control management system at each manufacturing site location by 2020. At the time of this verification Safety Case development and implementation work was just being completed for the New Plymouth, NZ facilities. The Safety Case documentation and its conclusions become public documents and can be audited by the appropriate regulatory agencies.

The intended outcome of a safety case is that it meets regulatory requirements and demonstrates the adequacy of the site safety measures in-place or to be implemented, to prevent major incidents and to minimize the consequences of any major incidents that do occur. The requirement for Safety Case documentation of manufacturing sites is gaining momentum in many world-wide jurisdictions. The Safety Case technical risk assessment process that reduces site risk levels, through minimization, substitution, moderation and simplification to “as low as reasonably practical” levels more than meets the expectations of Operations Code element OP4.

The verification has noted this proposed implementation of the “Safety Case” risk assessment management system world-wide to be **A Work in Progress to be reviewed by the 2021 verification team.**

Operations Code. OP56-57 Incident Reporting and Investigation.

There are Methanex Management Systems in-place to comply with the expectations of Operations Code Elements OP56-57. These Code Elements require an accident reporting and investigation management system that will initiate a broader investigation into why accidents occur even though comprehensive accident prevention systems are in-place at all locations including the office environment.

Each Methanex site management system also requires a proactive investigation of near-miss occurrences and have in-place a comprehensive root cause incident analysis process to identify and record systemic safety management system failures. It is also a management system requirement that summary of learnings and corrective actions be identified, recorded in the corporate incident tracking and corrective action data base. These findings and corrective actions are to be shared with other company locations and, where applicable, with other industry association companies. Upon review of this investigation and reporting management system the verification team has noted a **Finding Requiring Action** to review the effectiveness (Do, Check, & Act) functions of this management system to ensure Lessons Learned bulletins are generated for all significant incidents, are recorded in the corporate data base; are acknowledged by each location and the ensuing location corrective actions and implementation are recorded in the incident management database.

Stewardship Code. Research and Development (R&D) Expectations. (ST 116, 117, 118, 122, 123)

Below is a direct quote from the 2018 verification report pertaining to the application of the Stewardship Code by the Methanex Regional Marketing and Logistics groups.

“The geographic “Regions” within Methanex have considerable managerial autonomy but from Stewardship Code perspective these groups not only diligently apply the Responsible Care Codes and Ethic but have developed unique management systems in the areas of Communication Through the Value Chain,

Transportation and Physical Distribution, and Management of Third Parties. (customers & distributors) Third party auditors, CDI group, conduct detailed audits of third-party terminals and marine carriers.” As of the 2018 verification Methanex can be considered a benchmark in the application of these code elements.

Accountability Code. AC137. (Processes to stay abreast of broader public issues)

Non-governmental Organizations (NGOs)

Based on site interviews the verification team has included a Corporate GIMS related **Finding Requiring Action** to develop management system(s) for proactive engagement with NGOs. (AC147-150) The purpose of AC147-150 is to ensure that all area NGOs are on each sites' stakeholder list and that the site is proactive with all NGOs, not just the low-key and those judged to be "reasonable" in their methodology used to achieve their objectives. National or Internationally based NGOs should also be noted if they have expressed interest in issues that could apply to the local community. (indigenous peoples)

Finance.

As noted in this report each of the four company Regions and the applicable physical assets are wholly-owned subsidiaries of Methanex Corporation. Methanex Corporation corporate culture, at the Vancouver Head Office, is also a "matrix" type organization which encourages continual interface between Company Executives and various levels of senior management. It was not within the scope of this verification to assess the level of involvement of company financial resources in the various Responsible Care management systems. These resources are exposed to the Ethic and Principles of Responsible Care during the annual budget planning process and the administration of regional budgets throughout the year.

To meet the expectations of (AC 141-143) will require a management system to target specific "finance" related entities both inside and outside the company and ensure an acceptable level of Responsible Care knowledge. These entities are different for each company and can only be identified from within. For instance, some member companies have made RC presentations to their major insurance broker (Lloyds Registry of London as an example) and received favorable results. Annual general meetings of shareholders are another venue. When we questioned the CEO and Executive Contact on this topic the reply was that this had been attempted but shareholders didn't seem interested. A beginning question might be why are they not interested?

The Verification Team has noted as a Corporate **Improvement Opportunity** the development of a management system to comply with the expectations of AC141-143.

Consumers.

The major focus of consumers and AC144 is in relation to "customers of your customers" and ensuring they have access to pertinent information about a Methanex product that may be part of your customers final product. The Methanex support of the Methanol Institute and their work concerning the safe handling of and the effects of methanol exposure plus the Regional M&L KPIs in the area of customer knowledge seminars satisfy the requirements of Accountability Code element AC144.

COMPANY AWARDS

Three vessels, owned by Mitsui O.S.K. Lines, Ltd., and time-chartered by **Waterfront Shipping** were honoured with a **Technology Special Prize in the Ship of the Year awards** sponsored by the Japan Society of Naval Architects and Ocean Engineers. This award recognizes the ships' innovative technology and potential to benefit the marine industry through improved performance and reduced emissions.

The **Medicine Hat manufacturing site** was a recipient of the “**Return on Environment Award**” from **SUEZ Water Technologies & Systems**. (SUEZ) The award was in recognition of the management systems developed to reduce water consumption and reduce the use of water treatment chemicals at the Medicine Hat manufacturing site. Beginning in 2015, our Medicine Hat Environmental Management team began collaborating with SUEZ to develop such management systems. As a result of these efforts, Methanex changed the manufacturing site main water source from an untreated river aquifer to treated water from the city of Medicine Hat. While increasing direct costs, this change significantly reduced our water consumption and use of water treatment chemicals which in turn lowered site water treatment costs. **Annual water consumption was reduced by approximately 14,000 m³**, which is the equivalent of the volume of six Olympic-sized swimming pools.

The **New Zealand manufacturing site** was presented a “**Wellness at Work**” award at the **Workplace Health & Safety Awards**, which is New Zealand’s only nationwide, all-sector health and safety award ceremony. The award recognized the **Methanex “Well-Being Program”**, which offers health monitoring and advice beyond the accepted corporate norm in New Zealand. The Wellness at Work workplace health initiatives include bladder and bowel cancer screening, nutrition consultations, fitness testing, smoking cessation programs and annual flu vaccinations. There is an extensive fatigue-management program aimed at plant site workers and the focus on the hazards of working with inadequate rest.

Methanex NAML received the **2017 “Grand Slam Award” from the American Railroad Association for safe shipping practices**. Methanex was recognized by four major North American rail lines, Burlington Northern and Santa Fe, Union Pacific, Canadian Pacific, and Norfolk Southern for completing shipments on these four rail lines **with zero nonaccidental releases** which earned Methanex the **2017 “Grand Slam Award”**.

INTERVIEW LISTS

A: Company Personnel Contacted During Verification Process

NAME	POSITION	LOCATION
Brad Neumann	Vice President, Responsible Care	Vancouver
Kevin Kerik	Manager, Responsible Care	Vancouver
Moira Chicilo	Director, Public Affairs	Vancouver
Louise McMahon	Manager, Public Affairs	Vancouver

NAME	POSITION	LOCATION
Rawle Ramlochan	Plant Manager	Medicine Hat
Bart Francis	Manager of Operation	Medicine Hat
Terry Rowat	Manager, Responsible Care	Medicine Hat
Darren Meidinger	Operations Superintendent	Medicine Hat
Tony Russell	Chief Power Engineer	Medicine Hat
Jody Magill	Manager, Stakeholder Relations	Medicine Hat
Sharon Christensen	Manager, Finance	Medicine Hat
Danielle Semrau	Public Affairs Coordinator	Medicine Hat
Greg Sargent	Process Safety Engineer	Medicine Hat
Anneleen Muller	Supervisor, Process & Occupational Safety	Medicine Hat
Jason Linton	Emergency Response Advisor	Medicine Hat
Ryan Hornung	Environmental Affairs Advisor	Medicine Hat
Mike Chrun	P & W Supervisor	Medicine Hat
Matt Nelligan	Product Handling Supervisor	Medicine Hat
Michelle Benson	Quality Assurance Advisor	Medicine Hat
Cindy Martin	Supervisor, Product Handling	Medicine Hat
Michael Schaan	Procurement and Contract Supervisor	Medicine Hat
Clayton Gair	Lead Mechanical Engineer	Medicine Hat
Tristan Entem	Mechanical Engineer	Medicine Hat
Siobhan Jubelius	Mechanical Engineer	Medicine Hat
Erica Meyer	Mechanical Engineer	Medicine Hat
Mofe Oyekan	Process Engineer, EIT	Medicine Hat
Neela Sookoor	CDS & I/E Project Coordinator	Medicine Hat
Chris Johnston	JHSC	Medicine Hat
Dan MacNeil	JHSC	Medicine Hat
Kathy Teel	JHSC	Medicine Hat
Selina Grimes	JHSC	Medicine Hat
Dustin Deschamps	JHSC	Medicine Hat
Ray Fitschen	JHSC	Medicine Hat
Taylor Pollock	JHSC	Medicine Hat

Glynn Fontenot	Plant Manager	Geismar, Louisiana
Meg Mahoney	Stakeholder Relations Manager	Geismar, Louisiana
Kristy DeBenedetto	Human Resources Manager	Geismar, Louisiana
Greta Gordon	Finance Manager	Geismar, Louisiana
Jeremy Acosta	Responsible Care Manager	Geismar, Louisiana

Brad Apking	Operations Manager	Geismar, Louisiana
Byron Cummings	Maintenance Manager	Geismar, Louisiana
Jack Dirks	Information Technology Manager	Geismar, Louisiana
Christine Guidry	RC/Quality Coordinator	Geismar, Louisiana
Chris Browning	Emergency Response Specialist	Geismar, Louisiana
Nikki Broussard	Occupation Nurse	Geismar, Louisiana
Tyler Teague	Environmental Engineer	Geismar, Louisiana
Erica Leidinger	RD Administrative Assistant	Geismar, Louisiana
Charlotte Gilmore	Lead Project Engineer	Geismar, Louisiana
James LeBlanc	CAER Chairperson	Geismar, Louisiana

Rich Sumner	VP, Marketing & Logistics, NA	Dallas, TX
Belinda Seales	Manager, Finance	Dallas, TX
Richard Wylot	Manager, Sales	Dallas, TX
Jason Baylis	Commercial Manager	Dallas, TX
Karine Delbarre	Manager, CS&L	Dallas, TX
Beth Weir	Manager, HR	Dallas, TX

Mohamed Shindy	Managing Director	Cairo Office
Manal El Jesri	Public Affairs Manager	Cairo Office
Mike Hooper	Plant Manager	Damietta
Ahmed Elkhadrawy	RC Manager	Damietta
Mohamed Gamal Eldeen	Operations Manager	Damietta
Sadek Elkady	Security & Site Affairs Manager	Damietta

Simon Maddren	President, Marketing & Logistics, Asia Pacific	Hong Kong
Candy Chan	Director, Operations, Asia Pacific	Hong Kong
Samuel Wong	Manager, Logistics & Responsible Care	Hong Kong
Deanna Li	Manager, Responsible Care & ISO	Hong Kong

Brian Ropitini	Manufacturing Director	New Zealand
Bob Brady	Responsible Care Manager	New Zealand
Juliet Larkin	Public Affairs Manager	New Zealand
Michael La Franchie	Process Safety Lead	New Zealand
Matt Geary	Turnaround Manager	New Zealand
Lara Barton	Human Resources Manager (Acting)	New Zealand
Gary Rielly	Sustainability and Quality Leader	New Zealand

Alejandro Larrive	Managing Director	Santiago Office
Pablo Martinez	Commercial Director, Gas	Santiago Office
Miguel Gana	Director Marketing & Logistics	Santiago Office
Fernando Reinecke	Regional Manager, Logistics/ Customer Service and RC	Santiago Office
Boris Vukasovic	Plant Manager	Punta Arenas
Rodrigo Mora	Loss Prevention Engineer	Punta Arenas
Ximena Ulloa	Quality Coordinator	Punta Arenas
Miguel Torres	Environmental Engineer	Punta Arenas

Alexis Paredes	RC Manager	Punta Arenas
David Poblete	Asset Integrity Supervisor	Punta Arenas
Marcelo Daller	Planning Supervisor	Punta Arenas
Claudio Torres	Operations Supervisor	Punta Arenas
Ulises Fernandez	PSM Engineer	Punta Arenas
Manuel Dellarossa	Laboratory Technician	Punta Arenas
Pamela Miranda	Technical Department Manager	Punta Arenas
Roberto Hernandez	Contractor Administrator	Punta Arenas
Fatima Roa	H&S Coordinator	Punta Arenas
Mario Barraza	RC Supervisor	Punta Arenas
Hector Espina	ER Coordinator	Punta Arenas
Jaime Soto	IT Supervisor	Punta Arenas
Alberto Arriado	Rotating E. Supervisor	Punta Arenas
Santiago Guzman	PSM Jr. Engineer	Punta Arenas
Zvonimir Burgos	Process Sr. Engineer	Punta Arenas
Roberto Macdonald	Static Equipment Supervisor	Punta Arenas
Luis Aqueveque	Operations Operator	Punta Arenas
Nicanor Gomez		Punta Arenas
Claudio Cancino		Punta Arenas
Cecilia Troncoso	Public Affairs Coordinator	Punta Arenas

Wade Wiggins	Vice President, Europe Marketing & Logistics	Brussels
Laurent Van Wulpen	Director, Operations, Customer Service & Logistics	Brussels
Valerie Carlier	Manager, Responsible Care	Brussels
Clement de Halleux	Intern, Responsible Care	Brussels

B: External Stakeholders Contacted During Verification Process

Brian Webster	Dept. Chief of Operations	City of Medicine Hat
Heather Bach	Community Advisory Panel	Medicine Hat
Brian Bohrn	Community Advisory Panel	Medicine Hat
Craig Marshal	Community Advisory Panel	Medicine Hat
Sandra Moore	Community Advisory Panel	Medicine Hat
Steve Penzes	Community Advisory Panel	Medicine Hat
Dylan Richards	Community Advisory Panel	Medicine Hat

Sergio Barrientos	General Manager, Asiquim	Santiago
Cinthya Rojo	Manager, Asiquim	Santiago
Laura Alvarez	Community Advisory Panel	Punta Arenas
Octavio Lecaros Palma	Community Advisory Panel	Punta Arenas
Reinaldo Leiva Ovarso	Community Advisory Panel	Punta Arenas
Humberto Vidal	Community Advisory Panel	Punta Arenas
Claudio Gomez	Community Advisory Panel	Punta Arenas
Rosa Zuninga	Community Advisory Panel	Punta Arenas
Francisco Villarroel	Community Advisory Panel	Punta Arenas
Javier Garay	Community Advisory Panel	Punta Arenas
Jairo Munoz	Emergency Response Coordinator	Punta Arenas



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