Current issue date:	18 October 2024	Original approval(s):
Expiry date:	17 October 2027	ISO 14001 - 18 October 2024
Certificate identity number:	10645650	RC 14001 - 1 December 2022

Certificate of Approval

This is to certify that the Management System of:

MEGlobal Canada ULC

Highway 597 & Prentiss Road, Lacombe, T4L 2N4, Alberta, Canada

has been approved by LRQA to the following standards:

ISO 14001:2015, RC 14001® : 2023 Technical Specification RC151.07

Approval number(s): ISO 14001 – 0081228, RC 14001 – 00038577

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

Manufacture of Monoethylene Glycol, Diethylene Glycol, Triethyelene Glycol and Carbon Dioxide. Provision of Wastewater Analytical Services to Support Regulatory Compliance Demonstration at the Fort Saskatchewan, Alberta facility.

David Derrick

Regional Director, UKAM

Issued by: LRQA Limited

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Certificate identity number: 10645650

Certificate Schedule

Location	Activities
Highway 597 & Prentiss Road, Lacombe, T4L 2N4, Alberta, Canada	**ISO 14001:2015** Manufacture of Monoethylene Glycol and Diethylene Glycol. **RC 14001:2023** Manufacture of Monoethylene Glycol and Diethylene Glycol.
11910 89 Avenue Highway 15, Building 262A, Fort Saskatchewan, T8L 2P4, Alberta, Canada	**RC 14001:2023** Manufacture of Monoethylene Glycol, Diethylene Glycol, Triethylene Glycol and Carbon Dioxide.Provision of Wastewater Analytical Services to Support Regulatory Compliance Demonstration at the Fort Saskatchewan, Alberta facility.
MEGLOBAL AMERICAS INC., 4057 E Hwy 332, Freeport, TX, 77541, United States	**RC 14001:2023** Manufacture of Monoethylene Glycol, Diethylene Glycol and Carbon Dioxide.

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American Chemistry Council – Chemistry Industry Association of Canada
Responsible Care® Certification/Verification

Report of
"other Responsible Care® Commitments"

Submitted by Bill Barnes, RC Lead Auditor with LRQA to CIAC

As part of the 2024 RC14001® audit of

MEGlobal Canada ULC & MEGlobal Americas Inc.

Audit team's conclusions about the effectiveness of the management system:	
X	Based on the results of the audit, the audit team determined that the management system was effectively implemented and maintained per defined requirements and is deemed capable to achieve expected outputs.
☐	Based on the results of the audit, the audit team determined that the management system was effectively implemented and maintained per defined requirements and is deemed capable to achieve expected outputs, except as noted in the nonconformities.
☐	Based on the results of the audit, the audit team determined that the management system was not effectively implemented and maintained per defined requirements nor deemed capable to achieve expected outputs. The audit team recommendation is for "Certification Review".

Audit team's conclusions about the effectiveness of the CIAC Other Responsible Care® Requirements and commitment to Responsible Care® Ethic and Principles:	
X	Based on the results of the audit, the audit team determined that the CIAC Other Responsible Care Requirements and commitment to Responsible Care Ethic and Principles were effectively implemented and maintained per defined requirements and is deemed capable to achieve expected outputs.
☐	Based on the results of the audit, the audit team determined that the CIAC Other Responsible Care Requirements and commitment to Responsible Care Ethic and Principles were effectively implemented and maintained per defined requirements and is deemed capable to achieve expected outputs, except as noted in the nonconformities.
☐	Based on the results of the audit, the audit team determined that the CIAC Other Responsible Care Requirements and commitment to Responsible Care Ethic and Principles were not effectively implemented and maintained per defined requirements nor deemed capable to achieve expected outputs. The audit team recommendation is for "Certification Review".

A- Description of Company, Audited Facilities, Process and Scope of Audit

Company Description:

MEGlobal is a world leader in the manufacture, supply and marketing of monoethylene glycol (MEG) and diethylene glycol (DEG), collectively known as ethylene glycol (EG). EG is a key raw material used in a wide variety of products and applications including the manufacture of polyester fibers, polyethylene terephthalate resins (PET), antifreeze formulations and other industrial products. The manufacturing plants also sell CO2 which is a byproduct of the EG production process.

Audited Facilities:

· MEGlobal Canada ULC, Prentiss Site, Hwy 597 & Prentiss Road, Red Deer, AB Canada
· MEGlobal Canada ULC, Fort Saskatchewan site, Hwy 15, Fort Saskatchewan, AB, Canada
· MEGlobal Americas Inc., Oyster Creek site, 4057 E. Hwy 332. Freeport, TX, U.S.A

Process and Scope of Audit

· Consisted of a eight and a half-day audit of the Prentiss, Alberta operating facility and HQ Oversight functions, one and half-day audit of the Fort Saskatchewan, Alberta operating facility as well as eight-day audit of the Oyster Creek, Texas operating facility.
· Included assets owned and operated by MEGlobal Canada and MEGlobal USA inside the site fence lines at Prentiss, Fort Saskatchewan, Blackfalds, and Oyster Creek.
· Included all facilities and processes related to the manufacture of Monoethylene Glycol, Diethylene Glycol, Triethylene Glycol and Carbon Dioxide in Alberta and Texas.
· Services and Utilities provided to 3rd parties at all locations

B- Summary of the evidence relating to:

- the capability of the management system to meet applicable requirements and expected outcomes.
- the internal audit and management review process.

The MEGlobal facilities have an integrated management system program in alignment with the ACC and CIAC RCMS requirements.

There is substantial evidence of "above-the-site" involvement and oversight of key aspects of the management system. Objectives and Targets, performance measures, auditing, compliance obligations, management system documentation, incidents, non-conformities, corrective actions, and management system review are some of the key aspects with "above the site" roles and responsibilities. There appears to be good

integration of functions between the sites and functional management. The management of EHS&S risks are effectively managed above the site through access to and review of routine metrics, establishment and periodic evaluation of policies and procedures, development and implementation of continual improvements, review of incidents, non-conformances, and corrective actions. The oversight of key site activities and performance appears well suited for the size of the organization and operational risks.

A clearly structured management system organized using the DOW ODMS (Operating Discipline Management System) structure has been independently developed to serve the MEGlobal organization. Planned self-assessments and management system reviews are conducted annually at all sites to ensure the evolving and maturing management system remains suitable, adequate and effective.

Documented information requested was readily accessible, accurate and current in all instances.

C- Summary of the evidence relating to:

- the capability of the Other Responsible Care Requirements and commitment to Responsible Care Ethics and Principles to meet applicable requirements and expected outcomes.
- Observations on public engagement and communication of the Worst-Case Scenario
- Summary and observations of off-site meeting with Community Representatives
- Successful (excellent/Best) Practices to be shared.
- Opportunities for Improvement identified.

Conformity to ACC and CIAC requirements during October 2024 audit:
ACC Requirements underway/complete for US facility
- Gap Assessment Completed
- Attestation for ACC codes completed September 2022
- Annual ACC RC & Sustainability metrics submittal all on time for last 3 years
CIAC Requirements:
- MEGlobal employees' participation on many (if not all) CIAC committees including the Canada production director who is a director on the CIAC board as of 2023.
- Annual recommitment letter 2024 signed
- 2019 Re-Verification Report (CIAC) available on intranet
- TRANSCAER committee activities & participation confirmed
- 2023 CIAC submission data review – NERM & NERM Supplemental, PRIM Data Submission Metrics, SHIM data submittal, PRIM data submittal
- Development and communication of worst-case scenario (Fort Saskatchewan & Prentiss - Worst Case Scenario Ethylene Oxide release CEPA E2 Plan Summary) -

Community/stakeholder dialogue. Worst Case Scenario shared with neighbors annually.

ACC and CIAC reporting, and attestation requirement were well understood, documented, and submitted timely. Communications to external stakeholders was very proactive and transparent. This appears to be effective in establishing a high degree of trust in the community. There are strong community ties generated by individual and collective personal efforts by many at the sites. MEGlobal is a key contributor, supporter, and participant in their communities.

Evidence of continuous improvement processes is visible in many areas of the organization.

D- Note that beginning in 2020, new Indigenous Code Elements apply for those facilities located near indigenous communities or where these companies may be significantly impacted by their operations.

There are no indigenous communities in the vicinity of MEGlobal facilities. MEGlobal just released its 4 indigenous principals in September 2024. Following these principals will foster interactions with indigenous communities.

Auditor conclusion Statement:

Based on the assessment outcome, the Assessment Team recommends the RC 14001:2023 certification of MEGlobal Canada ULC for the agreed scope.
During the visits to the two Alberta operating facilities listed previously, and HQ Oversight functions, there were three local implementation minor nonconformity findings raised.
During the five-day visit to the Oyster Creek, Texas operating facility, there were no minor nonconformity findings raised.
There were no major nonconformity findings raised across the whole of the system based on activities sampled in the agreed upon audit recertification plan.
As a result, the management system at MEGlobal Canada ULC and MEGlobal Americas Inc. are recommended for certification to the RC14001:2023 Technical Specification.
The Assessment Team Leader confirms the contractual arrangements for RC 14001:2023 are correct.

Auditor(s): Bill Barnes (Team Leader), Rob Toth and Alain Cyr (Team Members)

Visit Date(s): 16-September-2024 - 09-October-2024