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U.S. Adipic Acid Production Protocol Project Data Report

The Project Data Report (PDR) Template must be completed for each verification period. This template is only intended as a guide and provides the minimum required information to be reported. This template is designed for use with the U.S. Adipic Acid Production Protocol V1.0 (U.S. AAPP). The project developer has the option to include additional information at their discretion.

Please note that this document will be made publicly available once the project has registered credits for the verification period. If there is proprietary information, please provide a redacted version for publication and non-redacted version for internal review. Please contact the Reserve to discuss what information may be allowed to be redacted.

Account Holder	Ascend Performance Materials LLC.
Project ID and Name	CAR1480 - Phlogiston Phase I
Current Reporting Period Dates	04/01/2026 - 06/31/2026
Protocol Version	U.S. Adipic Acid Production V1.0
Claimed CRTs by Vintage	CRTs (2026): 1,089,297
Date Submitted	08/24/2026

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1 Introduction

Provide a general description of the project.

The purpose of this project is to reduce nitrous oxide (N₂O) emissions from the Ascend Performance Materials Adipic Acid Production Plant (the Site) in Cantonment, Florida. The project is an extension of the current nitric acid recovery system in adipic acid production. The project consists of the installation of an absorber column and two N₂O control units, Thermal Reduction Units 1 and 2. NO_x in the adipic off-gas is converted to nitric acid for recovery via the absorber column. The absorbed NO_x is converted into nitric acid to be reused in adipic acid manufacturing. Controlling the NO_x in the adipic off-gas permits the off-gas to be exclusively routed into the N₂O abatement units, which achieve on average destruction efficiencies of 99.9% during standard operation.

2 Project Definition

a Project Definition

Provide information on the installed abatement technology and the efficiency of the abatement device. If this is an enhancement project, provide the abatement efficiency of the device prior to enhancement.

Abatement technology consists of two Thermal Reduction Units (TRUs) installed in parallel, and a high pressure absorption column upstream of the two control units. TRUs use thermal input to destroy N₂O at an average 99.9% efficiency. The absorber is designed to recover nitric oxide (NO) and nitrogen dioxide (NO₂) – collectively referred to as NO_x – present in the adipic off gas for conversion to nitric acid (HNO₃) – a fundamental reagent involved in adipic acid production. With the installation of the high-pressure absorber, the NO_x load in the off gas from the absorption column is nearly halved. As a result, a greater portion of the adipic off gas can be diverted to the TRU units, thus enhancing N₂O destruction.

b Project Developer

List the entities which have any amount of legal control over the project boundary and identify the mechanism through which the Account Holder has legal authority to implement the project. In addition, please state which entity will be designated as the project developer and will sign the Attestation of Title. If the Account Holder is not the entity listed on the facility's Title V, explain how they obtain the right to operate the project on the facility's behalf.

Ascend Performance Materials Operations LLC (Ascend). Ascend is the exclusive owner of the project and the sole party with the right to make management and operational decision. Ascend serves as the owner and operator of the tertiary abatement catalyst system, personal property, equipment, fixtures and appurtenances comprising the Project.

3 Project Eligibility

a Project Location

Provide the project location.

The project is located in Cantonment, Florida.

b Project Start Date

Describe the timeline from installation and/or enhancement of the abatement technology to the selected project start date. Confirm that the adipic acid production has not exceeded the AAP's Clean Air Act Title V permitted production levels as of the project start date.

The project was submitted on 10/5/2020, project equipment installation commenced in 2020, project start date was 1/20/2021. The site has not exceeded their Title V permitted production, demonstrated within the scope of the Legal Requirement Test for each verification as of the project start date.

c Project Crediting Period

State the project's crediting period as defined in Section 3.3 of the Protocol.

1/20/2021 to 1/19/2031

d Additionality**i Performance Standard Test**

Provide the N₂O control technology utilized by the project and if it is a new device installation or an enhancement of an existing device.

☐ New Abatement Technology

☒ Enhanced Abatement Technology

N₂O Control Technology:

☐ Catalytic Destruction

☒ Thermal Destruction

☒ Recycle to Nitric Acid

☐ Recycling / Utilization Technology

☐ Other Technology Approved by Reserve:

Date Approved:

ii Legal Requirement Test

Attest that the project activities are not legally required. Identify any federal, provincial, or local regulations or legally binding mandates that are relevant to the project.

Project activities are not legally required.

e Regulatory Compliance

Provide the national, state, and/or local regulatory agencies with jurisdiction over the AAP. Disclose any instances of non-compliance during the verification period. Describe how the project intends to monitor for compliance during future reporting periods.

A CAA enforcement event was noted in the EPA ECHO and Florida DEP Information Portal database during this reporting period: three instances of CO emission exceedance of the 54.8 pounds per hour limit at Unit 003 Boiler 8. The project location and violation location are in separate sections of the plant. Thus, this event was determined to be unrelated to project activities as it occurred outside of the

project boundary and not caused by the project, and therefore do not have a material impact on reported emission reductions.

A CWA regulatory compliance event was noted in the EPA ECHO database during this reporting period: an exceedance at the North Outfall 002 and South Outfall 001 of the IC25 Static Renewal 7-Day test limit. The project location and violation location are in separate sections of the plant. This event was determined to be unrelated to project activities, occurred outside of the project boundary, and therefore did not have a material impact on reported emission reductions.

No other violations or non-compliance were identified during the review of the regulatory compliance sources. The Attestation of Regulatory Compliance was executed by Ascend and reviewed by ClimeCo and AWT.

4 GHG Assessment Boundary

a GHG Assessment Boundary

The table below includes only the SSRs that are included in the project quantification. For all SSRs considered in the GHG Assessment Boundary (included and excluded GHGs and their justification) refer to Table 4.1 in the Protocol.

SSR	Source Description	Gas	Baseline (B) or Project (P)
1	Adipic acid production process unit	N ₂ O	B, P
3	Hydrocarbon used as reducing agent, for reheating the off gas, or for combustion fuel for thermal reduction units (if applicable)	CO ₂ , CH ₄ ,	B, P
5	Emissions from increased external energy use (if applicable)	CO ₂ , CH ₄ , N ₂ O	B, P

5 Quantifying GHG Emission Reductions

a Quantifying Baseline Emissions

i Baseline Abatement Efficiency

Check the box for the baseline abatement efficiency used during the reporting period and provide a brief description of the baseline scenario, including the baseline abatement efficiency. If utilizing a dynamic baseline approach, include a summary of the baseline look-back period as described in Section 5.1.2 of the Protocol (length, years, quarterly AE, etc.) and the date which the Reserve issued the approval.

☒ Static Baseline Abatement Efficiency (AE_{BL,S}) = 80.54

☐ Dynamic Baseline Abatement Efficiency ($AE_{BL,D}$)=

Baseline Abatement Description:

ii Mitigating Leakage

Disclose if the AAP is a part of a corporate group that controls multiple AAPs and describe how the project mitigates the risk of leakage. If the AAP is not a part of a corporate group that controls more than one AAP, briefly describe the alternative means approved by the Reserve to demonstrate that there are minimal leakage risks and provide the date on which the Reserve issued an approval.

The AAP is not a part of a corporate group that controls more than one AAP. Ascend is the only manufacturer of adipic acid on US soil. Additionally, the project has not exceeded the production limit specified in the Title V operating permit since the project start date.

iii Summary of Baseline Quantification

Provide the measured total N_2O emissions in the off gas before any emissions control equipment, ratio of HNO_3 to adipic acid, measured adipic acid production, and the proportion of adipic acid production as calculated in the Protocol. Data should be provided in the table below by vintage.

Vintage: 2026	Vintage:
Baseline Abatement Efficiency (% , as decimal): 80.54	Baseline Abatement Efficiency (% , as decimal):
Measured total N_2O emissions in off gas: 22,231 t N_2O	Measured total N_2O emissions in off gas: t N_2O
Ratio of HNO_3 to Adipic Acid: -0.028479218 t HNO_3 /tAA	Ratio of HNO_3 to Adipic Acid: t HNO_3 /tAA
Adipic Acid Produced: 70,973 tAA	Adipic Acid Produced: tAA
Baseline Emissions: 1,145,038 t CO_2e	Baseline Emissions: t CO_2e

b Quantifying Project Emissions

i Summary of Project Emissions

Provide the measured N_2O emissions in the off gas, GHG emissions from the use of hydrocarbons as a reducing agent or to reheat off gas, GHG emissions from the external energy used to reheat the off gas, and the total project emissions during the verification period. Data should be provided in the table below by vintage.

Vintage: 2026	Vintage:
N_2O Emissions: 53,059 t CO_2e	N_2O Emissions: t CO_2e
Emissions from Hydrocarbon Use: 0 t CO_2e	Emissions from Hydrocarbon Use: t CO_2e
Emissions from External Energy: 2,683 t CO_2e	Emissions from External Energy: t CO_2e
Project Emissions: 55,742 t CO_2e	Project Emissions: t CO_2e

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c Final CRT Summary

Summarize the final result for determining the net GHG Reductions by vintage.

Vintage: 2026	Vintage:
Baseline Emissions: 1,145,038 tCO ₂ e	Baseline Emissions: tCO ₂ e
Project Emissions: 55,742 tCO ₂ e	Project Emissions: tCO ₂ e
Total GHG Emission Reductions: 1,089,296 tCO ₂ e	Total GHG Emission Reductions: tCO ₂ e

6 Variance Request

If a variance was requested during the reporting period, provide a brief description of the rule/requirement in the protocol in question, the conditions of the determination, and the date of the variance request and determination.

Date of Variance Request:

Protocol Section and Rule/Requirement:

Description of how the project did not meet the protocol requirement above:

Date Reserve Issued Determination:

Variance Conditions:

7 Project Documentation

The following documents are required to be submitted for project registration. In cases where there is proprietary information, please provide unredacted and redacted versions. If additional documents were submitted, please include the document title and its associated file name.

Document	File Name
Project Diagram	Project Diagram with TRU2 added.pptx
Attestation of Title	CAR1480_Attestation-Title_RP20.pdf
Attestation of Voluntary Implementation	CAR1480_Attestation-Voluntary-Implementation_RP20.pdf
Attestation of Regulatory Compliance	CAR1480_Attestation-Regulatory-Compliance_RP20.pdf
Monitoring Plan	Phlogiston CAR1480 Monitoring Plan V2.3
Project Contributions to the U.N. Sustainable Development Goals Report Tool (if applicable)	2026-SDG-REPORTING-TOOL-CAR1480.pdf
Project Data Report (this document)	CAR1480_RP20_U.S.-Adipic-Acid-Production-PDR
Variance Request	

Social Environmental Safeguards Assessment	CAR1480_RP20_Social Environmental Safeguards Assessment