

**China 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 China Adipic Acid Production Protocol V1.0 (CAAPP). 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 the reporting 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** |  |
| **Project ID and Name** |  |
| **Current Reporting Period Dates** |  |
| **Protocol Version** | China Adipic Acid Production V |
| **Claimed CRTs by Vintage** |  |
| **Date Submitted** |  |

Table of Contents

[1 Introduction 3](#_Toc158366521)

[2 Project Definition 3](#_Toc158366522)

[a Project Definition 3](#_Toc158366523)

[b Project Developer 3](#_Toc158366524)

[3 Project Eligibility 3](#_Toc158366525)

[a Project Location 3](#_Toc158366526)

[b Project Start Date 3](#_Toc158366527)

[c Project Crediting Period 3](#_Toc158366528)

[d Additionality 3](#_Toc158366529)

[i Performance Standard Test 3](#_Toc158366530)

[ii Legal Requirement Test 4](#_Toc158366531)

[iii Production Cap 4](#_Toc158366532)

[e Regulatory Compliance 4](#_Toc158366533)

[4 GHG Assessment Boundary 4](#_Toc158366534)

[a GHG Assessment Boundary 4](#_Toc158366535)

[5 Quantifying GHG Emission Reductions 5](#_Toc158366536)

[a Quantifying Baseline Emissions 5](#_Toc158366537)

[i Baseline Abatement Efficiency 5](#_Toc158366538)

[ii Bypass of the Control Unit and Venting Situations 5](#_Toc158366539)

[iii Summary of Baseline Quantification 5](#_Toc158366540)

[b Quantifying Project Emissions 6](#_Toc158366541)

[i Abatement Efficiency during the Reporting Period 6](#_Toc158366542)

[ii Summary of Project Emissions 6](#_Toc158366543)

[c Final CRT Summary 6](#_Toc158366544)

[6 Variance Request 6](#_Toc158366545)

[7 Project Documentation 7](#_Toc158366546)

# Introduction

*Provide a general description of the project.*

# Project Definition

## 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.*

## 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 operating permit, explain how they obtain the right to operate the project on the facility’s behalf.*

# Project Eligibility

## Project Location

*Provide the project location.*

## Project Start Date

*Describe the timeline from installation and/or enhancement of the abatement technology to the selected project start date. Provide information on the initial start-up testing period including the length of the start-up period, if applicable. Include what documentation will be provided to the verification body to demonstrate the length of the start-up period.*

## Project Crediting Period

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

      to

## Additionality

### 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:

### 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. Disclose if the project is subject to the China Emissions Trading Scheme, China Certified Emissions Reductions Scheme, or provincial-level Emissions Trading Scheme programs and the level of abatement required and achieved to meet compliance obligations.*

### Production Cap

*Provide the AAP’s nameplate capacity for production levels as of the project start date. Disclose if the project developer has notified the Reserve of increased production levels above the facility’s nameplate capacity, if applicable.*

## Regulatory Compliance

*Provide the national, provincial, 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.*

# GHG Assessment Boundary

## 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 | N2O | B, P |
| 3 | Hydrocarbon used as reducing agent, for reheating the off gas, or for combustion fuel for thermal reduction units (if applicable) | CO2, CH4, | B, P |
| 5 | Emissions from increased external energy use (if applicable) | CO2, CH4, N2O | B, P |

# Quantifying GHG Emission Reductions

## Quantifying Baseline Emissions

### Baseline Abatement Efficiency

*Provide the actual baseline abatement efficiency and the appropriate baseline abatement efficiency used for project quantification, according to the requirements listed in Table 5.1. Provide a brief description of the baseline.*

90% Baseline Abatement Efficiency

Maximum Abatement Achieved in 5-Year Lookback Period

Baseline Abatement Description:

### Bypass of the Control Unit and Venting Situations

*Describe areas within the system where CEMS are not installed due to the low likelihood and/or brief duration of bypass or venting situations along such streams. Disclose any instances of bypass or venting situations and the duration of the event(s). Describe the alternative method for calculating the amount of N2O released into the atmosphere through vent stacks and/or process lines bypassing the N2O control unit and include the date approved by the Reserve.*

### Summary of Baseline Quantification

*Provide the measured total N2O emissions in the off gas before any emissions control equipment, ratio of HNO3 to adipic acid, and measured adipic acid production in the verification period, as calculated in the Protocol.*

|  |  |
| --- | --- |
| **Vintage:** | **Vintage:** |
| Baseline Abatement Efficiency (%, as decimal): | Baseline Abatement Efficiency (%, as decimal): |
| Measured total N2O emissions in off gas:       tN2O | Measured total N2O emissions in off gas:       tN2O |
| Ratio of HNO3 to Adipic Acid:       tHNO3/tAA | Ratio of HNO3 to Adipic Acid:       tHNO3/tAA |
| Adipic Acid Produced:       tAA | Adipic Acid Produced:       tAA |
| Baseline Emissions:       tCO2e | Baseline Emissions:       tCO2e |

## Quantifying Project Emissions

### Abatement Efficiency during the Reporting Period

*Disclose any and all instances where daily project abatement efficiency fell below the baseline abatement efficiency for the verification.*

### Summary of Project Emissions

*Provide the measured N2O 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.*

|  |  |
| --- | --- |
| **Vintage:** | **Vintage:** |
| N2O Emissions:       tCO2e | N2O Emissions:       tCO2e |
| Emissions from Hydrocarbon Use:        tCO2e | Emissions from Hydrocarbon Use:        tCO2e |
| Emissions from External Energy:       tCO2e | Emissions from External Energy:       tCO2e |
| Project Emissions:       tCO2e | Project Emissions:       tCO2e |

## Final CRT Summary

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

|  |  |
| --- | --- |
| **Vintage:** | **Vintage:** |
| Baseline Emissions:       tCO2e | Baseline Emissions:       tCO2e |
| Project Emissions:       tCO2e | Project Emissions:       tCO2e |
| Total GHG Emission Reductions:       tCO2e | Total GHG Emission Reductions:       tCO2e |

# 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:

Date Reserve Issued Determination:

Variance Conditions:

# 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 |  |
| Attestation of Title |  |
| Attestation of Voluntary Implementation |  |
| Attestation of Regulatory Compliance |  |
| Monitoring Plan |  |
| Project Contributions to the U.N. Sustainable Development Goals Report Tool |  |
| Project Data Report (this document) |  |
| Variance Request |  |
|  |  |
|  |  |
|  |  |
|  |  |