

UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF OKLAHOMA

UNITED STATES OF AMERICA,)
STATE OF ALABAMA and ALABAMA)
DEPARTMENT OF ENVIRONMENTAL)
MANAGEMENT, and)
OKLAHOMA DEPARTMENT OF)
ENVIRONMENTAL QUALITY,)
)
Plaintiffs,)
)
v.)
)
EL DORADO CHEMICAL CO.,)
CHEROKEE NITROGEN CO., and)
PRYOR CHEMICAL CO.,)
)
Defendants.)
_____)

Civil Action No. 5:14-cv-00271-F

CONSENT DECREE

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Concurrently with the lodging of this Consent Decree, Plaintiffs the United States of America, on behalf of the United States Environmental Protection Agency (“EPA”), the State of Alabama, on behalf of the Alabama Department of Environmental Management (“ADEM”), and the Oklahoma Department of Environmental Quality (“ODEQ”) (collectively referred to as “Plaintiffs”), have filed a Complaint in this action seeking civil penalties and injunctive relief from Defendants Cherokee Nitrogen Company (“CNC”), El Dorado Chemical Company (“EDCC”), and Pryor Chemical Company (“PCC”) (collectively referred to as “Defendants”) for alleged violations of the Clean Air Act (the “CAA”), 42 U.S.C. §7401 et seq., with respect to emissions of nitrogen oxides (“NO_x”) at three nitric acid manufacturing facilities in Alabama, Arkansas, and Oklahoma.

WHEREAS, the Plaintiffs’ Complaint alleges that Defendants violated and/or continue to violate the Prevention of Significant Deterioration (“PSD”) provisions in Part C of Subchapter I of the CAA, 42 U.S.C. §§ 7470-7492, the Standards of Performance for New Stationary Sources (“NSPS”) provisions in Section 111 of the CAA, 42 U.S.C. § 7411, the permitting requirements of CAA Subchapter V (“Title V”), 42 U.S.C. §§ 7661-7661f, the federally-enforceable State Implementation Plans (“SIPs”) for Alabama, Arkansas, and Oklahoma, approved by EPA pursuant to Section 110 of the CAA, 42 U.S.C. § 7410, which incorporate and/or implement the above-listed federal requirements, and/or the compliance assurance monitoring provisions of 40 C.F.R. Part 64, all with respect to emissions of nitrogen oxide (“NO_x”);

WHEREAS, the Complaint alleges that at all times relevant thereto, CNC and/or its predecessors in interest owned and operated nitric acid manufacturing facilities located in or near Cherokee, Alabama (“Cherokee Facility”), EDCC and/or its predecessors in interest owned and operated nitric acid manufacturing facilities located in or near El Dorado, Arkansas (“El Dorado

Facility”), and PCC and/or its predecessors in interest owned and operated nitric acid manufacturing facilities located in or near Pryor, Oklahoma (“Pryor Facility”), and that such facilities emit NO_x into the atmosphere;

WHEREAS, the Complaint alleges that at all times relevant thereto PCC and/or its predecessors in interest also owned and operated two ammonia manufacturing plants, a liquid ammonium nitrate manufacturing plant, and two boilers located at portions of the PCC facility in Pryor, Oklahoma (therein described as the “Additional Portions of the PCC Facility”), and that such emit, *inter alia*, NO_x, ammonia (“NH₃”), carbon monoxide (“CO”), particulate matter (“PM”), volatile organic compounds (“VOCs”), and sulfur dioxide (“SO₂”) into the atmosphere;

WHEREAS, the Complaint alleges that Defendants CNC and EDCC and/or their predecessors in interest constructed, modified, and operated the Cherokee Facility and the El Dorado Facility without obtaining the appropriate pre-construction and operating permits, and without installing the best available control technology (“BACT”), in violation of the CAA. The Complaint also alleges that Defendant EDCC has failed to comply with applicable emission limits at the El Dorado Facility, and that Defendants EDCC and PCC have failed to comply with ongoing requirements for emissions monitoring, recordkeeping, and reporting at the El Dorado Facility and the Pryor Facility, respectively, in violation of the CAA. The Complaint also alleges that Defendants CNC and EDCC failed to obtain valid Title V permits for operation of the Cherokee and El Dorado Facilities in violation of the CAA;

WHEREAS, the State of Alabama and the ODEQ (collectively, “the State Parties”) are co-Plaintiffs in this matter that respectively allege civil violations of the State of Alabama’s SIP and the State of Oklahoma’s SIP and/or other state rules and regulations incorporating and implementing the aforementioned federal CAA requirements;

WHEREAS, the Complaint additionally alleges that Defendant PCC violated and/or continues to violate applicable Oklahoma State law, OKLA. ADMIN. CODE 252:100-1-1 *et seq.*, and the permit terms applicable to the Additional Portions of the PCC Facility;

WHEREAS, Defendants have denied and continue to deny the violations alleged in the Complaint;

WHEREAS, from May 24, 1999 to present date, El Dorado Nitrogen, Limited Partnership (“EDN”) and/or its predecessors in interest have operated a nitric acid manufacturing facility located in or near Baytown, Texas (“Baytown Facility”), and from October 23, 2008 to present date, the owner of the Baytown Facility, Bayer MaterialScience, LLC (“BMS”), has engaged EDN as an operator of the Baytown Facility pursuant to a Nitric Acid Supply, Operating, and Maintenance Agreement by and Among EDN, EDCC, and BMS, dated October 23, 2008, and since amended (“Baytown Operating Agreement”);

WHEREAS, as of the date of signature of this Consent Decree by duly authorized representatives of EDN, EDN represents that the current term of the Baytown Operating Agreement is effective until June 30, 2021, absent additional renewal and absent an event of default or other authorized basis for termination of the Baytown Agreement under Section 19 of the Baytown Agreement, and the Plaintiffs expressly rely on this representation when entering into this Consent Decree;

WHEREAS, LSB Industries, Inc. (“LSB”) is the parent company of EDCC, CNC, PCC, and EDN, and the production of nitric acid by these four subsidiary entities comprises the nitric acid manufacturing portion of LSB’s chemical business;

WHEREAS, EDN and LSB are not parties to the concurrent Complaint, but Defendants and EDN and LSB enter into this Consent Decree jointly as settlors (hereinafter, collectively,

“Settling Defendants”) under this Consent Decree and all shall thus be bound by the terms and obligations of this Consent Decree;

WHEREAS, EDN and BMS entered into a letter agreement, executed December 12, 2013, in which EDN notified BMS of its obligations pursuant to this Consent Decree relative to the Baytown Facility, and BMS agreed that EDN may take such actions as may be necessary to fulfill its obligations pursuant to this Consent Decree relative to the Baytown Facility;

WHEREAS, EPA has selected nitric manufacturing facilities as a national CAA enforcement priority;

WHEREAS, as a result of a May 15, 2012, explosion of a nitric reactor at the Hoechst-UHDE Direct Strong Synthesis Nitric Acid Plant at the El Dorado Facility (herein, “El Dorado DSN”), El Dorado DSN sustained significant damage to associated process equipment and was shut down, and EDCC has determined that El Dorado DSN is beyond repair and will remain permanently shut down, such that EDCC permanently removed emissions sources associated with El Dorado DSN from Permit 0573-AOP-R14;

WHEREAS, as more specifically described in Section IV (Compliance Requirements) of this Consent Decree, Settling Defendants have agreed to install new, and/or enhance or maintain existing, selective catalytic reduction (“SCR”) and/or non-selective catalytic reduction (“NSCR”) control technology at all nine of Settling Defendants’ Operating Nitric Acid Plants in the United States to reduce emissions of NO_x and to implement Best Practices, as described in Paragraph 14, to minimize air pollution at such Facilities;

WHEREAS, the Plaintiffs and Settling Defendants (hereinafter collectively, “Settling Parties”) recognize, and this Court by entering this Consent Decree finds, that this Consent

Decree has been negotiated by the Settling Parties in good faith, will avoid litigation among the Parties and that this Consent Decree is fair, reasonable, and in the public interest;

WHEREAS, Settling Defendants do not admit any liability to the United States or the State Parties arising out of the transactions or occurrences alleged in the Complaint.

NOW, THEREFORE, before the taking of any testimony, without the adjudication of any issue of fact or law except as provided in Section I (Jurisdiction and Venue), and with the consent of the Settling Parties, IT IS HEREBY ADJUDGED, ORDERED, AND DECREED as follows:

I. JURISDICTION AND VENUE

1. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331, 1345, and 1355, and 1367, and Section 113(b) of the CAA, 42 U.S.C. § 7413(b), and over the Parties. Pursuant to 28 U.S.C. § 1367, this Court has supplemental jurisdiction over the state law claims asserted by the State of Alabama and ODEQ, respectively. This Court has jurisdiction over EDN and EDN's obligations in this Consent Decree pursuant to the All Writs Act, 28 U.S.C. § 1651, and Fed. R. Civ. Proc. 19(a). Venue lies in this District pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), and 28 U.S.C. §§ 1391(b) and (c) and 1395(a), because Settling Defendants reside in and keep their headquarters and principle places of business located in this judicial district. For purposes of this Decree, or any action to enforce this Decree, Settling Defendants consent to this Court's jurisdiction over this Consent Decree and any action to enforce this Consent Decree, and to venue in this judicial district.

2. For purposes of this Consent Decree, Defendants agree that the Complaint states claims upon which relief may be granted pursuant to Sections 111, 113, 165, and 502 of the CAA, 42 U.S.C. §§ 7411, 7413, 7475, and 7661a, and/or pursuant to applicable state law.

3. At least 30 Days prior to the Date of Lodging of this Consent Decree, EPA notified the States of Arkansas, Alabama, and Oklahoma, and Defendants of the violations alleged in the Complaint, as required by Section 113(a)(1) of the CAA, 42 U.S.C. § 7413(a)(1).

II. APPLICABILITY

4. The obligations of this Consent Decree apply to and are binding upon the United States, the State of Alabama, the ODEQ, and upon Settling Defendants and any successors, assigns, or other entities or persons otherwise bound by law.

5. No transfer of ownership or operation of any of the Covered Nitric Acid Plants, whether in compliance with the procedures of this Paragraph or otherwise, shall relieve the respective Settling Defendants of their obligations to ensure that the terms of this Consent Decree are implemented by them, unless (1) the transferee agrees to undertake the obligations required by Section IV (Compliance Requirements) of this Consent Decree and to be substituted for the respective Settling Defendants as a Party under the Decree and thus be bound by the terms thereof, and (2) the United States consents to relieve the respective Settling Defendant(s) of its obligations. The United States' decision to refuse to approve the substitution of transferee for the respective Settling Defendant shall not be subject to judicial review. With respect to the Baytown Facility only, which is operated by EDN but owned by BMS, this Paragraph applies only to the transfer of operation. At least 30 Days prior to a transfer of ownership and/or operation of any Covered Nitric Acid Plant(s) to any person that is less than fifty percent (50%) controlled by LSB, the respective Settling Defendants shall provide a copy of this Consent Decree to the proposed transferee and shall simultaneously provide written notice of the prospective transfer, together with a copy of the proposed written agreement, to EPA Region 4 (for prospective transfers of any of the Covered Nitric Acid Plant(s) at the Cherokee Facility),

EPA Region 6 (for prospective transfers of any of the Covered Nitric Acid Plant(s) at the Baytown Facility, the El Dorado Facility, or the Pryor Facility), to ADEM (for prospective transfers of any of the Covered Nitric Acid Plant(s) at the Cherokee Facility), to ODEQ (for prospective transfers of any of the Covered Nitric Acid Plant(s) at the Pryor Facility), and to both the United States Attorney for the Western District of Oklahoma, and the United States Department of Justice (“DOJ”) (for any prospective transfers of any Covered Nitric Acid Plant(s) at any Facility), in accordance with Section XVI of this Consent Decree (Notices). Prior to partial termination of this Consent Decree as to the Baytown Facility, should BMS, the owner of the Baytown Facility, notify EDN of a transfer of ownership of the Baytown Facility and/or an optional termination of the Baytown Operating Agreement, EDN shall provide a copy of the same notification to Plaintiffs within 14 Days. Any attempt to transfer ownership or operation of the any Covered Nitric Acid Plant without complying with this Paragraph constitutes a violation of this Consent Decree. This provision does not apply to the transfer of the Covered Nitric Acid Plant(s) after Partial Termination of this Consent Decree, pursuant to Paragraph 107, as to the relevant Facility where such Covered Nitric Acid Plant(s) are located.

6. Settling Defendants shall provide a copy of this Consent Decree to all officers, employees, and agents of them whose duties might reasonably include compliance with any provision of this Consent Decree, as well as to all vendors, suppliers, consultants, contractors, and any other company or organization retained to perform work required under this Consent Decree. Settling Defendants shall condition any such contract upon performance of the work in conformity with the terms of this Consent Decree. Notwithstanding any retention of contractors, subcontractors, or agents to perform any work under this Consent Decree, Settling Defendants

shall be responsible for ensuring that all work is performed in accordance with the requirements of this Consent Decree.

7. In any action to enforce this Consent Decree, Settling Defendants shall not raise as a defense the failure by any of its respective officers, directors, employees, agents, or contractors to take any actions necessary to comply with the provisions of this Consent Decree. With regard to the Baytown Facility only, Settling Defendant EDN shall not raise BMS's ownership of the Baytown Facility as a defense for EDN's failure to take any actions necessary to comply with the provisions of this Consent Decree.

III. DEFINITIONS

8. Terms used in this Consent Decree that are defined in the CAA or in federal and state regulations promulgated pursuant to the CAA shall have the meaning assigned to them in the CAA or such regulations, unless otherwise provided in this Consent Decree. Whenever the terms set forth below are used in this Consent Decree, the following definitions shall apply:

- a. "Alabama" shall mean the State of Alabama, Alabama Department of Environmental Management ("ADEM"), or any successor department, agency, or entity;
- b. "Applicable State Party" shall mean: (i) with respect to the Cherokee Facility and/or obligations under this Consent Decree relating to the Cherokee Facility, Alabama and (ii) with respect to the Pryor Facility, and/or obligations under this Consent Decree relating to the Pryor Facility, the ODEQ; however, where a particular provision of this Consent Decree concerns the El Dorado Facility or the Baytown Facility, there is no Applicable State Party;
- c. "Applicable State Party Agency" shall mean: (i) with respect to the Cherokee Facility and/or obligations under this Consent Decree relating to the Cherokee Facility, the ADEM and (ii) with respect to the Pryor Facility, and/or obligations under this Consent

Decree relating to the Pryor Facility, the ODEQ; however, where a particular provision of this Consent Decree concerns the El Dorado Facility or the Baytown Facility, there is no Applicable State Party Agency;

d. “Applicable State Agency” shall mean: (i) with respect to the Cherokee Facility, the ADEM (ii) with respect to the El Dorado Facility, the Arkansas Department of Environmental Quality; (iii) with respect to the Pryor Facility, ODEQ, and with respect to the Baytown Facility, the Texas Commission on Environmental Quality;

e. “BMS” shall mean Bayer MaterialScience, LLC, a third party owner of the Baytown Facility;

f. “Baytown Facility” shall mean the facility located at 8490 West Bay Road, Baytown, Texas 77523, currently operated by EDN and owned by BMS, which consists of one Nitric Acid Plant, the Baytown Nitric Acid Plant (“Baytown”), that is operational and already utilizing SCR capable of meeting the NO_x emissions limits required under Section IV (Compliance Requirements) as of the Date of Lodging;

g. “Baytown Operating Agreement” shall mean a Nitric Acid Supply, Operating, and Maintenance Agreement by and Among EDN, EDCC, and BMS, dated October 23, 2008, and any amendments thereto, including a First Amendment, dated June 29, 2009, a Second Amendment, dated June 16, 2010, and a Third Amendment, dated June 25, 2013;

h. “CEMS” or “Continuous Emission Monitoring System” shall mean the total equipment required under the CEMS Plan, attached as Attachment C to this Consent Decree, used to sample and condition (if applicable), to analyze, and to provide a permanent record of emissions or process parameters specified in the CEMS Plan;

i. “CEMS Plan” shall mean the applicable CEMS Plan for each of the Operating Nitric Acid Plants that are identified in Attachment C;

j. “Cherokee Facility” shall mean the facility located at 1080 Industrial Drive, Cherokee, Alabama, 35616, currently owned and operated by CNC, which consists of two Nitric Acid Plants, the No. 1 Nitric Acid Plant (“Cherokee #1”) and the No. 2 Nitric Acid Plant (“Cherokee #2”), with the following operational statuses as of the Date of Lodging, respectively:

i. Cherokee #1 is operational. A permit authorizing construction to install SCR controls at this plant was issued by ADEM on January 9, 2013 (Permit 701-0013-X002), and the permit contains NO_x emissions limits consistent with the requirements in Section IV (Compliance Requirements);

ii. Cherokee #2 is operational. A permit authorizing construction to install SCR controls at this plant was issued by ADEM on July 6, 2012 (Permit 701-0013-X003), and the permit contains NO_x emissions limits consistent with the requirements in this Section IV (Compliance Requirements);

k. “CNC” shall mean Cherokee Nitrogen Company;

l. “Complaint” shall mean the Complaint jointly filed by the United States, the State of Alabama, the ADEM, and the ODEQ in this action;

m. “Consent Decree” shall mean this Consent Decree and all appendices attached hereto, but in the event of any conflict between the text of this Consent Decree and any appended Attachment, the text of this Consent Decree shall control;

n. “Covered Nitric Acid Plants” shall mean all ten of Settling Defendants’ owned and/or operated Nitric Acid Plants in the United States that are subject to this Consent

Decree: two at the Cherokee Facility (Cherokee #1 and #2); one at the Baytown Facility (Baytown); four at the El Dorado Facility (El Dorado East, El Dorado West, El Dorado DMW, and El Dorado DSN); and three at the Pryor Facility (Pryor #1, #3, and #4);

o. “Date of Lodging” shall mean the date the Consent Decree is lodged or electronically filed with the Court for the United States District Court for the Western District of Oklahoma prior to the public notice and comment period provided for in Section XXI (Public Participation);

p. “Day” shall mean a calendar day unless expressly stated to be a working day. In computing any period of time under this Consent Decree, where the last day would fall on a Saturday, Sunday, or Federal or State holiday, the period shall run until the close of business of the next working day;

q. “Defendants” shall mean CNC, EDCC, and PCC, who are the defendants named in the Complaint filed concurrently with this Consent Decree, and “Defendants” thus shall be a term of lesser scope than the similar term “Settling Defendants,” defined below;

r. “Effective Date” shall have the meaning given in Section XVII (Effective Date);

s. “EDCC” shall mean El Dorado Chemical Company;

t. “El Dorado Facility” shall mean the facility located at 7500 North West Avenue, El Dorado, Arkansas 71730, currently owned and operated by EDCC, which consists of four Nitric Acid Plants, the El Dorado East Nitric Acid Plant (“El Dorado East”), the El Dorado West Nitric Acid Plant (“El Dorado West”), the El Dorado DM Weatherly Nitric Acid Plant (“El Dorado DMW”), and the El Dorado Hoechst-UHDE Direct Strong Synthesis Nitric Acid Plant

(“El Dorado DSN”), with the following operational statuses as of the Date of Lodging, respectively:

- i. El Dorado East is operational;
- ii. El Dorado West is operational;
- iii. El Dorado DMW is operational;
- iv. El Dorado DSN is non-operational, as a result of a May 15, 2012,

explosion of a nitric reactor that caused significant damage to associated process equipment; EDCC has determined that El Dorado DSN is beyond repair and will remain permanently shut down, such that EDCC permanently removed emissions sources associated with the DSN Plant from Permit 0573-AOP-R14. Thus, El Dorado DSN is not an Operating Nitric Acid Plant included in the requirements under this Section IV (Compliance Requirements), but it is a Covered Nitric Acid Plant;

u. “EDN” shall mean El Dorado Nitrogen, Limited Partnership;

v. “Facility” shall mean a Nitric Acid Plant site at which one or more

Covered Nitric Acid Plants are located;

w. “Interest” shall mean the interest rate set forth in 28 U.S.C. § 1961 as of the Effective Date;

x. “Interim NO_x Emissions Limit” shall mean a 3-hour rolling average NO_x emission limit (rolled hourly) expressed in terms of pounds of NO_x emitted per ton of 100% Nitric Acid Produced (“lb/ton”); compliance with the Interim NO_x Emissions Limit shall be calculated in accordance with the applicable CEMS Plan attached to this Consent Decree as Attachment C; the Interim NO_x Emissions Limit does not apply during periods of Startup, Shutdown, or Malfunction;

y. “Long-Term NO_x Emissions Limit” shall mean a 365-day rolling average NO_x emission limit (rolled daily) expressed as pounds of NO_x emitted per ton of 100% Nitric Acid Produced (“lb/ton”); compliance with the Long-Term NO_x Emissions Limit shall be calculated in accordance with the applicable CEMS Plan attached to this Consent Decree as Attachment C. The Long-Term NO_x Emissions Limit applies at all times, including during periods of Startup, Shutdown, or Malfunction;

z. “LSB” shall mean LSB Industries, Inc., the parent corporation of EDCC, CNC, PCC, and EDN;

aa. “Malfunction” shall mean, consistent with 40 C.F.R. § 60.2, any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner, but shall not include failures that are caused in whole or in part by poor maintenance or careless operation;

bb. “Month” shall mean calendar month;

cc. “Non-Selective Catalytic Reduction” and “NSCR” shall mean a pollution control device that uses non-selective catalyst reduction technology to react NO_x (including N₂O) and a fuel to give nitrogen and water;

dd. New Source Review and “NSR” shall mean a program for New Source Review under the CAA within the meaning of Part D of Subchapter I of the CAA, 42 U.S.C. §§ 7501-7515; specifically, as used herein, “major NSR” refers to permits required for new major sources or major modifications to major sources in nonattainment areas, while “minor NSR” refers to permits that are required by any state, regional, or local statutes or ordinances governing non-major new and modified sources of air pollution;

ee. “NSPS” shall mean the standards of performance for new stationary sources codified at 40 C.F.R. Part 60. General NSPS requirements are codified at 40 C.F.R. Part 60, Subpart A. NSPS requirements specifically for Nitric Acid Plants are codified at 40 C.F.R. Part 60, Subpart G;

ff. “NSPS NO_x Emissions Limit” shall mean the NO_x emission limit expressed as 1.5 kg of NO_x per metric ton of 100% Nitric Acid Produced (3 lb per ton) specified at 40 C.F.R. § 60.72(a)(1);

gg. “100% Nitric Acid Produced” shall mean the quantity of a nitric acid product manufactured by a Nitric Acid Plant multiplied by the concentration of actual nitric acid in the product. For example, if a Nitric Acid Plant produces 100 tons of a 54% nitric acid product, this equals 54 tons of 100% Nitric Acid Produced;

hh. “Nitric Acid Plant” shall mean a process unit engaged in the production of nitric acid and related products through the catalytic oxidation of ammonia. Settling Defendants own and operate ten (10) Covered Nitric Acid Plants that are subject to this Consent Decree;

ii. “NO_x” shall mean, consistent with 40 C.F.R. § 60.2, all oxides of nitrogen except nitrous oxide (N₂O). For the purposes of calculating mass emission rates, NO_x has a molecular weight of 46.0055 lb/lb-mol;

jj. “NO_x Stack Analyzer” shall mean for all Operating Nitric Acid Plants except the Baytown Plant (at all times) and the El Dorado East and West Plants during periods of required compliance with the Interim NO_x Emissions Limit under the Consent Decree, that portion of a dual range or greater CEMS that senses NO_x and generates an output proportional to the NO_x concentration during Operating Periods; for the Baytown Plant and El Dorado East and West Plants (during periods of required compliance with the Interim NO_x Emissions Limit under

the Consent Decree), “NO_x Stack Analyzer” shall mean that portion of a single range CEMS unit that senses NO_x and generates an output proportional to the NO_x concentrations during Operating Periods;

kk. “ODEQ” shall mean the Oklahoma Department of Environmental Quality or any successor department, agency, or entity;

ll. “One-hour Period” and “1-hour Period” shall mean any 60-minute period commencing on the hour;

mm. “One-minute Measurement” shall mean any single measurement or the arithmetic average of multiple measurements of a parameter during a one-minute period commencing on the minute;

nn. “Operating Nitric Acid Plants” shall mean any or all of the nine Covered Nitric Acid Plants that continue, or may continue, to operate as of the Date of Lodging (with El Dorado DSN excluded due to its permanent shut-down): two at the Cherokee Facility (Cherokee #1 and #2); one at the Baytown Facility (Baytown); three at the El Dorado Facility (El Dorado East, El Dorado West, and El Dorado DMW); and three at the Pryor Facility (Pryor #1, #3, and #4);

oo. “Operating Periods” shall mean periods during which an Operating Nitric Acid Plant is producing nitric acid and NO_x is emitted, including periods of Startup, Shutdown and Malfunction;

pp. “Paragraph” shall mean a portion of this Consent Decree identified by an Arabic numeral;

qq. “Parties” shall mean the United States, the State of Alabama, the ODEQ, and Defendants, and shall be a term of lesser scope than the similar term “Settling Parties,” defined below;

rr. “PCC” shall mean Pryor Chemical Company;

ss. “Pryor Facility” shall mean the facility located at 4463 Hunt Street, Pryor, Oklahoma, 74361, owned and operated by PCC, which consists of three Nitric Acid Plants, the Nitric Acid Plant #1 (“Pryor #1”), the Nitric Acid Plant #3 (“Pryor #3”), and the Nitric Acid Plant #4 (“Pryor #4”), with the following operational statuses as of the Date of Lodging, respectively:

i. Pryor #1 is operational;

ii. Pryor #3 is non-operational. The startup of Pryor #3, including the performance of required maintenance activities, is uncertain. Should PCC decide to repair and reactivate this Plant, PCC will do so in conformance with the Compliance Requirements set forth Section IV (Compliance Requirements) and in compliance with all other requirements of this Consent Decree;

iii. Pryor #4 is operational;

tt. “PSD” shall mean the Prevention of Significant Deterioration requirements within the meaning of Part C of Subchapter I of the CAA, 42 U.S.C. §§ 7470-7492, and the implementing regulations at 40 C.F.R. Part 52;

uu. “Section” shall mean a portion of this Consent Decree identified by a roman numeral;

vv. “Selective Catalytic Reduction” and “SCR” shall mean a pollution control device that employs selective catalytic reduction technology to react ammonia (NH₃) with NO_x to form nitrogen (N₂) and water (H₂O) using a catalyst to speed the reaction;

ww. “Settling Defendants” shall mean any or all of CNC, EDCC, PCC, EDN and LSB, determined as follows:

i. Regarding all terms of, and obligations under, this Consent Decree that are not specific to a particular Facility and jointly apply to all Settling Defendants and/or all Facilities, and regarding all terms applicable to the Settling Parties, “Settling Defendants” shall mean CNC, EDCC, PCC, EDN and LSB, collectively;

ii. Regarding all terms of, and obligations under, this Consent Decree that are specific to the Baytown Facility, “Settling Defendants” or “the respective Settling Defendants” shall mean EDN and LSB;

iii. Regarding all terms of, and obligations under, this Consent Decree that are specific to the Cherokee Facility, “Settling Defendants” or “the respective Settling Defendants” shall mean CNC and LSB;

iv. Regarding all terms of, and obligations under, this Consent Decree that are specific to the El Dorado Facility, “Settling Defendants” or “the respective Settling Defendants” shall mean EDCC and LSB;

v. Regarding all terms of, and obligations under, this Consent Decree that are specific to the Pryor Facility, “Settling Defendants” or “the respective Settling Defendants” shall mean PCC and LSB;

xx. “Settling Parties” shall mean the United States, the State of Alabama, the ODEQ, and all Settling Defendants;

yy. “Short-Term NO_x Emissions Limit” shall mean a 3-hour rolling average NO_x emission limit (rolled hourly) expressed in terms of pounds of NO_x emitted per ton of 100% Nitric Acid Produced (“lb/ton”); compliance with the Short-Term NO_x Emissions Limit shall be calculated in accordance with the applicable CEMS Plan attached to this Consent Decree as Attachment C; the Short-Term NO_x Emissions Limit does not apply during periods of Startup, Shutdown, or Malfunction;

zz. “Shutdown” shall mean the cessation of nitric acid production operations of an Operating Nitric Acid Plant for any reason. Shutdown begins at the time the feed of ammonia to the Operating Nitric Acid Plant ceases and ends when the compressor train(s) is shut down;

aaa. “Stack Flowmeter” shall mean that portion of the CEMS that senses the volumetric flow rate and generates an output proportional to that flow rate;

bbb. “Startup” shall mean the process of initiating nitric acid production operations of an Operating Nitric Acid Plant. Startup begins with the start of the compressor train(s) at the Operating Nitric Acid Plant and ends no more than 5 hours after the initiation of the feed of ammonia;

ccc. “State of Alabama” shall mean the State of Alabama and ADEM;

ddd. “State Parties” shall mean the State of Alabama, the ADEM and the ODEQ;

eee. “Title V Permit” shall mean a permit required by or issued pursuant to the requirements of 42 U.S.C. §§ 7661 - 7661f, and the implementing regulations at 40 C.F.R Part 70;

fff. “Ton” or “tons” shall mean short ton or short tons. One Ton equals 2,000 pounds;

ggg. “EPA” shall mean the United States Environmental Protection Agency or any successor department, agency, or entity;

hhh. “United States” shall mean the United States of America, acting on behalf of EPA.

IV. COMPLIANCE REQUIREMENTS

A. NO_x Emissions Limits and Schedule of Compliance

9. The respective Settling Defendants shall install, upgrade, and/or maintain emissions control equipment, utilizing SCR and/or NSCR technology, at each of their respective Operating Nitric Acid Plants to meet the emissions limits and compliance schedules required under this Section IV.A. (Compliance Requirements).

10. Final NO_x Emission Limits at All Operating Nitric Acid Plants. The respective Settling Defendants shall comply with the following emissions limits (Short-Term NO_x Emissions Limits and Long-Term NO_x Emissions Limits) for each of their respective Operating Nitric Acid Plants, conducting monitoring in accordance with the requirements of Section IV.C of this Consent Decree (Emissions Monitoring) and pursuant to the applicable CEMS Plan at Attachment C, by the corresponding compliance deadline specified below in Table 1 and Attachment A:

Table 1: NO_x Emissions Limits and Compliance Schedule

Facility and Plant	Short-Term NO _x Emissions Limit	Short-Term NO _x Emissions Limit Compliance Deadline ¹	Long-Term NO _x Emissions Limit	Long-Term NO _x Emissions Limit Compliance Deadline ²
Cherokee Facility, Cherokee #1	1.0 lb/ton	Effective Date	0.60 lb/ton	365 Days after the Effective Date
Cherokee Facility, Cherokee #2	1.0 lb/ton	Effective Date	0.60 lb/ton	365 Days after the Effective Date
Baytown Facility, Baytown	1.0 lb/ton	Effective Date	0.60 lb/ton	365 Days after the Effective Date
El Dorado Facility, El Dorado East	1.0 lb/ton	January 1, 2016	0.60 lb/ton	January 1, 2017
El Dorado Facility, El Dorado West	1.0 lb/ton	January 1, 2016	0.60 lb/ton	January 1, 2017
El Dorado Facility, El Dorado DMW	1.0 lb/ton	July 1, 2014	0.60 lb/ton	July 1, 2015
Pryor Facility, Pryor #1	1.0 lb/ton	January 1, 2018	0.60 lb/ton	January 1, 2019
Pryor Facility, Pryor #3	1.0 lb/ton	January 1, 2018, or upon startup, whichever date is later	0.60 lb/ton	January 1, 2019, or 365 Days following startup, whichever date is later
Pryor Facility, Pryor #4	1.0 lb/ton	January 1, 2018	0.60 lb/ton	January 1, 2019

11. Interim NO_x Emission Limit at El Dorado East and El Dorado West. At the El Dorado Facility only, and regarding only El Dorado East and El Dorado West Nitric Acid Plants, the respective Settling Defendants shall comply with the applicable Interim NO_x Emissions

¹ LSB shall commence monitoring its NO_x Emissions in accordance with the applicable CEMS Plan required at each Operating Nitric Acid Plant, pursuant to Section IV.C of this Consent Decree (Emissions Monitoring), as of the corresponding Short-Term NO_x Emissions Limit Compliance deadline.

² The Long-Term NO_x Emissions Limit Compliance Deadline listed in Table 1 is the date at which 365 days of monitoring data have been gathered to calculate the 365-day rolling average NO_x emissions in accordance with the CEMS Plan, and thus the date by which LSB shall demonstrate compliance with the Long-Term NO_x Emissions Limit.

Limit, and conduct Interim NO_x Emissions Limit monitoring in accordance with the requirements of Section IV.C of this Consent Decree (Emissions Monitoring) and pursuant to the applicable CEMS Plan at Attachment C, by the corresponding compliance deadlines specified below in Table 2 and Attachment A. The respective Settling Defendants shall comply with the Interim NO_x Emissions Limit and compliance deadlines listed in Table 2 until the deadline specified in Table 1 (in Paragraph 10) for complying with the Long-Term NO_x Emissions Limits applicable to these named Nitric Acid Plants.

Table 2: Interim NO_x Emissions Limit and Compliance Schedule

Facility and Plant	Interim NO_x Emissions Limit	Interim NO_x Emissions Limit Compliance Deadline
El Dorado Facility, El Dorado East	3.0 lb/ton	Effective Date
El Dorado Facility, El Dorado West	3.0 lb/ton	Effective Date

B. NSPS Applicability

12. Each of the Operating Nitric Acid Plants shall be considered an “affected facility” for purposes of the New Source Performance Standards (“NSPS”), 40 C.F.R. Part 60, Subpart G, by no later than the Effective Date.

13. Upon the date that each Operating Nitric Acid Plant becomes an “affected facility,” as specified above in Paragraph 12, the respective Settling Defendants shall, for each of their respective Operating Nitric Acid Plants, comply with all applicable requirements for affected facilities under the NSPS at 40 C.F.R. Part 60, Subparts A and G, including but not limited to the obligation to install, calibrate, maintain, and operate a CEMS at each Operating Nitric Acid Plant, pursuant to 40 C.F.R. Part 60 Subparts A and G, no later than the Effective Date. Satisfactory compliance with notice and compliance demonstration obligations set forth in

this Consent Decree shall be deemed to satisfy all applicable initial notification and compliance demonstration requirements of NSPS Subparts A and G.

14. Best Practices. At all times after the Effective Date of this Consent Decree, including periods of Startup, Shutdown, and Malfunction, the respective Settling Defendants shall, to the extent practicable, maintain and operate each of their respective Operating Nitric Acid Plants, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions, consistent with 40 C.F.R. § 60.11(d).

C. Emissions Monitoring

15. In addition to the requirements set forth above in Paragraph 13, and no later than the respective dates specified below in Paragraph 16, Table 3 (“Deadline for Installation, Certification and Calibration of CEMS”), the respective Settling Defendants shall, at each of their respective Operating Nitric Acid Plants, comply with the requirements of this Section IV.C (Compliance Requirements – Emissions Monitoring), including the terms of the CEMS Plan at Attachment C (where more stringent).

16. CEMS - Installation, Certification, and Calibration. By no later than the applicable “Deadline for Installation, Certification and Calibration of CEMS” set forth below in Table 3 and Attachment A of this Consent Decree, the respective Settling Defendants shall, at each of their respective Operating Nitric Acid Plants, install, certify, and calibrate the NO_x CEMS required by this Consent Decree and as further described by the CEMS Plan at Attachment C. Each such CEMS shall include a NO_x Stack Analyzer, as defined in Section III (Definitions), Paragraph 9.ii, and the applicable CEMS Plan in Attachment C, capable of measuring NO_x concentration and a Stack Flowmeter that senses volumetric flow rate. Except as

may be specified in the applicable CEMS Plan in Attachment C of this Consent Decree, the NO_x Stack Analyzers shall comply with 40 C.F.R. Part 60, Appendix B, Performance Specification 2 and the quality assurance/quality control requirements specified in 40 C.F.R. Part 60, Appendix F, Procedure 1, and the Stack Flowmeters shall comply with 40 C.F.R. Part 60, Appendix B, Performance Specification 6.

Table 3: Deadline for Installation, Certification and Calibration of the CEMS (Pursuant to Attachment C)³

Facility and Plant	NO _x CEMS Deadline
Cherokee Facility, Cherokee #1	Effective Date
Cherokee Facility, Cherokee #2	Effective Date
Baytown Facility, Baytown	Effective Date
El Dorado Facility, El Dorado East	<ul style="list-style-type: none"> • For the applicable CEMS operating during period of required compliance with the Interim NO_x Emissions Limit: Effective Date • For the applicable CEMS operating during period of required compliance with the Short Term NO_x Emissions Limit: January 1, 2016
El Dorado Facility, El Dorado West	<ul style="list-style-type: none"> • For the applicable CEMS operating during period of required compliance with the Interim NO_x Emissions Limit: Effective Date • For the applicable CEMS operating during period of required compliance with the Short Term NO_x Emissions Limit: January 1, 2016
El Dorado Facility, El Dorado DMW	July 1, 2014

³ Pursuant to Paragraph 12 of this Consent Decree, as of the Effective Date and up until each of the deadlines listed in this table (Table 3), the respective Settling Defendants shall, at each of their respective Operating Nitric Acid Plants, install, calibrate, maintain and operate a CEMS pursuant to the NSPS, 40 C.F.R. Part 60 Subparts A and G. Where a deadline listed in this table (Table 3) is in fact the Effective Date for a particular Operating Nitric Acid Plant, the more stringent emissions monitoring requirements of the CEMS Plan at Attachment C immediately apply at that particular Operating Nitric Acid Plant as of the Effective Date.

Pryor Facility, Pryor #1	January 1, 2018
Pryor Facility, Pryor #3	January 1, 2018, or upon startup, whichever date is later
Pryor Facility, Pryor #4	January 1, 2018

17. Continuous Operation of CEMS and Minimization of CEMS Downtime. On and after the applicable “Deadline for Installation, Certification and Calibration of CEMS (Pursuant to Attachment C)” set forth in Table 3 (in Paragraph 16) and Attachment A of this Consent Decree, and except during periods of CEMS breakdowns, analyzer malfunctions, repairs, and required quality assurance or quality control activities (including calibration checks and required zero and span adjustments), the requisite CEMS on each Operating Nitric Acid Plant shall be in continuous operation during all Operating Periods to demonstrate compliance with the Interim and Final NO_x Emission Limits established in Section IV.A (Compliance Requirements) of this Consent Decree. Settling Defendants shall take all necessary steps to minimize CEMS breakdowns and minimize CEMS downtime at each of their respective Operating Nitric Acid Plants. This shall include, but is not limited to, operating and maintaining the CEMS in accordance with best practices, pursuant to Paragraph 14, and maintaining an on-site inventory of spare parts or other supplies necessary to make rapid repairs to the equipment.

18. NO_x CEMS Plan (Attachment C). Notwithstanding the requirements of Paragraph 13 of this Consent Decree, on and after the applicable “Deadline for Installation, Certification and Calibration of CEMS (Pursuant to Attachment C)” set forth in Table 3 (in Paragraph 16) and Attachment A of this Consent Decree, Settling Defendants shall, at each of their respective Operating Nitric Acid Plants, implement the applicable CEMS Plan at Attachment C. Attachment C describes how the respective Settling Defendants shall monitor compliance with the Interim and Final NO_x Emission Limits for each Operating Nitric Acid Plant

established in Section IV.A (Compliance Requirements) of this Consent Decree, including the methodology required to demonstrate compliance in the event of CEMS downtime. The EPA, ADEM, and ODEQ have approved the monitoring methods specified in the CEMS Plan in Attachment C of this Consent Decree as appropriate alternative monitoring methods for purposes of NSPS, pursuant to 40 C.F.R. § 60.13(i), for each Operating Nitric Acid Plant.

D. Performance Testing

19. Dates. Settling Defendants shall conduct the performance tests required in this Section IV.D. (Compliance Requirements) at each of their respective Operating Nitric Acid Plants by no later than the applicable “Deadline to Conduct Performance Test” specified in Table 4 below and Attachment A of this Consent Decree for each such corresponding Operating Nitric Acid Plant.

Table 4: Deadline to Conduct Performance Test

Facility and Plant	Performance Testing Deadline
Cherokee Facility, Cherokee #1	Effective Date
Cherokee Facility, Cherokee #2	Effective Date
Baytown Facility, Baytown	Effective Date
El Dorado Facility, El Dorado East	180 Days after the initial startup of such facility following the SCR installation
El Dorado Facility, El Dorado West	180 Days after the initial startup of such facility following the SCR installation
El Dorado Facility, El Dorado DMW	180 Days after the initial startup of such facility following the SCR installation

Pryor Facility, Pryor #1	180 Days after the initial startup of such facility following the SCR installation
Pryor Facility, Pryor #3 (currently shut down)	180 Days after the initial startup of such facility following the SCR installation
Pryor Facility, Pryor #4	180 Days after the initial startup of such facility following the SCR installation

20. NO_x Emission Limits. The respective Settling Defendants shall conduct a performance test at each of their respective Operating Nitric Acid Plants measuring the emission rate of NO_x in accordance with the applicable requirements of 40 C.F.R. §§ 60.8, 60.73, 60.74, Part 60 Appendix A, and Part 60 Appendix B. This test shall consist of at least nine method test runs and may serve as the CEMS relative accuracy test required under Performance Specification 2 in Part 60 Appendix B. Each Settling Defendant shall, to the extent practicable, assure accurate measurements of 100% Nitric Acid Produced during each test run.

21. Conversion Factor. During each performance test required under Paragraph 20 of this Consent Decree, the respective Settling Defendants shall establish a conversion factor for each of their respective Operating Nitric Acid Plants for the purpose of converting monitoring data, in terms of NO_x concentration, into terms of mass of NO_x per unit of 100% Nitric Acid Produced consistent with 40 C.F.R. § 60.73(b). Subsequently, the respective Settling Defendants shall reestablish the conversion factors during each Relative Accuracy Test Audit conducted in accordance with 40 C.F.R. Part 60, Appendix F.

22. Advance Notification. By no later than 30 Days before any performance test required by this Section IV.D (Compliance Requirements) is conducted, the respective Settling Defendants shall provide notice of their intent to conduct such test, in the manner set forth in

Section XVI (Notices), to the EPA and the Applicable State Agency. This notification must include the scheduled date of the test, an emissions test protocol, a description of the planned operating rate and operating conditions, and the procedures that will be used to measure 100% Nitric Acid Produced. If the EPA or the Applicable State Agency identifies specific concerns regarding the proposed emissions test protocol, operating conditions, and/or procedures to be used, and notifies the respective Settling Defendants in writing of these concerns a minimum of 7 Days prior to the proposed test date, the respective Settling Defendants shall either make such adjustments and conduct the performance test in conformity with the EPA's and/or the Applicable State Agency's identified concerns or submit the issue(s) for resolution under the dispute resolution provisions under Section XII (Dispute Resolution) of this Consent Decree.

23. Report of Results. By no later than 60 Days after completing a performance test required under this Section IV.D (Compliance Requirements), the respective Settling Defendants shall submit to the EPA and to the Applicable State Agency, in the manner set forth in Section XVI (Notices), a copy of the report documenting the results of such corresponding performance test.

E. Operation and Maintenance Plan

24. By no later than the applicable "O&M Plan Submittal Deadline" specified below in Table 5 and Attachment A of this Consent Decree, the respective Settling Defendants shall prepare and submit to the EPA and the Applicable State Agency, in the manner set forth in Section XVI (Notices), an Operation and Maintenance Plan ("O&M Plan") for each Operating Nitric Acid Plant.

Table 5: O&M Plan Submittal Deadline

Facility and Plant	O&M Plan Submittal Deadline
Cherokee Facility, Cherokee #1	By the Effective Date
Cherokee Facility, Cherokee #2	By the Effective Date
Baytown Facility, Baytown	90 Days after the Effective Date
El Dorado Facility, El Dorado East	<ul style="list-style-type: none"> • Effective Date (for initial plan, covering operations during period of required compliance with the Interim NO_x Emissions Limit) • December 1, 2015 (for amended plan, covering operations during period of required compliance with the Short Term NO_x Emissions Limit).
El Dorado Facility, El Dorado West	<ul style="list-style-type: none"> • Effective Date (for initial plan, covering operations during period of required compliance with the Interim NO_x Emissions Limit) • December 1, 2015 (for amended plan, covering operations during period of required compliance with the Short Term NO_x Emissions Limit).
El Dorado Facility, El Dorado DMW	June 1, 2014
Pryor Facility, Pryor #1	December 1, 2017
Pryor Facility, Pryor #3	December 1, 2017, or upon startup, whichever date is later
Pryor Facility, Pryor #4	December 1, 2017

25. Each O&M Plan shall describe the operating and maintenance procedures necessary to: (i) minimize the frequency of Operating Nitric Acid Plant Shutdowns (thereby reducing the number of Startups of each Operating Nitric Acid Plant); and (ii) at all times, including periods of Startup, Shutdown, and Malfunction, maintain and operate each Operating Nitric Acid Plant, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions in accordance with 40 C.F.R. §

60.11(d). The EPA and/or the Applicable State Agency may provide comments and/or recommendations with respect to each corresponding O&M Plan.

26. By no later than the applicable “O&M Plan Implementation Deadline” set forth in Table 5 (Paragraph 24) and Attachment A of this Consent Decree for each corresponding Operating Nitric Acid Plant, the respective Settling Defendants shall implement the O&M Plan for each of their respective Operating Nitric Acid Plants. At least once every three years, the respective Settling Defendants shall review, and update as necessary, the O&M Plan for their Operating Nitric Acid Plants.

V. CIVIL PENALTY

27. Within 30 Days after the Effective Date of this Consent Decree, Settling Defendants, collectively, shall pay \$725,000.00 as a civil penalty, together with Interest accruing from the date on which the Consent Decree is entered by the Court at the rate specified in 28 U.S.C. § 1961 as of the Effective Date. Settling Defendants shall pay this civil penalty in the following increments:

- a. The sum of \$362,500.00 as a civil penalty to the United States;
- b. The sum of \$156,250.00 as a civil penalty to the State of Alabama;
- c. The sum of \$206,250.00 as a civil penalty to the ODEQ.

28. Settling Defendants shall pay the civil penalty due to the United States by FedWire Electronic Funds Transfer (“EFT”) to the U.S. Department of Justice in accordance with written instructions to be provided to Settling Defendants following entry of the Consent Decree, by the Financial Litigation Unit of the U.S. Attorney’s Office for the Western District of Oklahoma, Suite 400, 210 West Park Avenue Oklahoma City, Oklahoma 73102, (405) 553-8700. At the time of payment, Settling Defendants shall send a copy of the EFT authorization

form and the EFT transaction record, together with a transmittal letter, which shall state that the payment is for the civil penalty owed pursuant to the Consent Decree in United States et al. v. El Dorado Chemical Company et al., and shall reference the civil action number and DOJ # 90-5-2-1-103411, to the United States in the manner set forth in Section XVI of this Consent Decree (Notices), by email to acctsreceivable.CINWD@epa.gov, and by mail to:

EPA Cincinnati Finance Office
26 Martin Luther King Drive
Cincinnati, Ohio 45268

29. Settling Defendants shall pay the civil penalty due to Alabama by check made payable to “The Alabama Department of Environmental Management” and mailed to:

Office of General Counsel
Alabama Department of Environmental Management
Post Office Pox 301463
Montgomery, Alabama 36130-1463

30. Settling Defendants shall pay the civil penalty due to ODEQ by check or money order made payable to the Oklahoma Department of Environmental Quality Penalty Fund and delivered to:

Accounts Receivable
Financial and Human Resources Management
Department of Environmental Quality
P.O. Box 2036
Oklahoma City, OK 73101-2036

31. If any portion of the civil penalty due to the United States or Applicable State Party is not paid when due, Settling Defendants shall pay Interest on the amount past due, accruing from the Effective Date through the date of payment. Interest payment under this Paragraph shall be in addition to any stipulated penalty due.

32. Settling Defendants shall not deduct any penalties paid under this Consent Decree pursuant to this Section V (Civil Penalty) or Section X (Stipulated Penalties) in calculating their respective federal or state or local income tax.

VI. ENVIRONMENTAL MITIGATION

33. Settling Defendants shall implement the Environmental Mitigation described in Attachment B of this Consent Decree. In implementing the Environmental Mitigation, Settling Defendants shall spend no less than \$150,000.00. Settling Defendants shall not include their own personnel costs in overseeing the implementation of the Environmental Mitigation.

34. Settling Defendants shall maintain, and present to EPA upon request, all documents that substantiate the money expended and work completed to implement the Environmental Mitigation described in Attachment B of this Consent Decree, and shall provide these documents to EPA within 30 Days of a request for the documents.

35. Settling Defendants shall certify, within 30 Days of the Effective Date of this Consent Decree, that Settling Defendants are not otherwise required by law to perform the Environmental Mitigation, that Settling Defendants are unaware of any other person who is required by law to perform the Environmental Mitigation, and that Settling Defendants will not use any of the Environmental Mitigation, or portion thereof, to satisfy any obligations that it may have under other applicable requirements of law.

36. Within 60 Days following the completion of the Environmental Mitigation described in Attachment B of this Consent Decree, Settling Defendants shall submit to Plaintiffs a report that documents the date that the Environmental Mitigation was completed, the results achieved by implementing the Environmental Mitigation, including the environmental benefits, and the money expended by Settling Defendants in implementing the Environmental Mitigation.

37. In connection with any communication to the public or to shareholders regarding Settling Defendants' actions or expenditures relating in any way to the Environmental Mitigation in this Consent Decree, Settling Defendants shall include prominently in the communication the information that the actions and expenditures were required as part of a negotiated consent decree to resolve the United States', Alabama's, and ODEQ's claims that Settling Defendants violated the Clean Air Act.

VII. PERMITS

38. Permits Prior to Construction or Installation. Settling Defendants shall obtain, for each the respective Settling Defendants' Operating Nitric Acid Plants, all required federal, state, and local permits or approvals necessary for performing any compliance obligation under this Consent Decree, including but not limited to, permits for construction of pollution control technology and the installation of equipment at the Operating Nitric Acid Plants. The respective Settling Defendants may seek relief under the provisions of Section XI (Force Majeure) of this Consent Decree for any delay in the performance of any such obligation resulting from a failure to obtain, or a delay in obtaining, any permit or approval required to fulfill such obligation if the respective Settling Defendant has submitted timely and administratively complete permit applications and has taken all other actions necessary to obtain such permit(s) or approval(s). Settling Defendant EDN may not seek relief under the provisions of Section XI (Force Majeure) of this Consent Decree for any delay in the performance of any such obligation resulting from BMS's ownership of the Baytown Facility or the terms of the Baytown Operating Agreement.

39. Applications for Permits, or Amended Permits, Incorporating the NO_x Emissions Limits, NSPS Applicability, and Emissions Monitoring Requirements of Section IV (Compliance Requirements) of this Consent Decree. By no later than the dates specified below in Table 6 and

Attachment A, the respective Settling Defendants shall follow the procedures set forth in subparagraphs a., b., c., and d., below, to submit to the relevant permitting authority an administratively complete permit application or amended permit application, as appropriate, to incorporate the following requirements into federally enforceable minor or major NSR permits or other federally-enforceable permits (other than Title V permits): (i) the NO_x emission limits established in Section IV.A (Compliance Requirements) of this Consent Decree; (ii) the applicability of 40 C.F.R. Part 60, Subparts A and G, and all requirements therein, as established in Section IV.B (Compliance Requirements) of this Consent Decree; and (iii) the monitoring requirements in the applicable CEMS Plan in Attachment C, as established in Section IV.C (Compliance Requirements) of this Consent Decree.

Table 6: Permit Application or Amended Permit Application Submittal Deadline

Facility and Plant	Permit Application or Amended Permit Application Submittal Deadline
Cherokee Facility, Cherokee #1	180 Days after the Effective Date
Cherokee Facility, Cherokee #2	180 Days after the Effective Date
Baytown Facility, Baytown	180 Days after the Effective Date
El Dorado Facility, El Dorado East	July 1, 2016
El Dorado Facility, El Dorado West	July 1, 2016
El Dorado Facility, El Dorado DMW	January 1, 2015
Pryor Facility, Pryor #1	July 1, 2018
Pryor Facility, Pryor #3 (currently shut down)	July 1, 2018, or upon startup, whichever date is later
Pryor Facility, Pryor #4	July 1, 2018

a. For the Cherokee Facility, CNC shall amend its applications by the dates specified above in Table 6 and Attachment A, which will amend permit applications previously submitted, pursuant to Ala. Code § 22-28-16 (2006 Rplc. Vol.), on October 25, 2012, and April 17, 2012, for the Cherokee #1 Nitric Acid Plant and the Cherokee #2 Nitric Acid Plant, respectively.

b. For the El Dorado Facility, EDCC shall apply for a combined construction and operating permit pursuant to Arkansas Regulation No. 26 by the dates specified above in Table 6 and Attachment A.

c. For the Pryor Facility, PCC shall apply for a modification to the federal operating permit and underlying construction permit pursuant to Oklahoma Administrative Code Title 252, Chapter 100, Subchapter 8 by the dates specified above in Table 6 and Attachment A.

d. For the Baytown Facility, EDN shall apply for a modification to the federal operating permit and underlying construction permit pursuant to Title 30 Texas Administrative Code Chapter 116 by the dates specified above in Table 6 and Attachment A.

40. Following submission of any complete permit application or amended permit application, the respective Settling Defendants shall cooperate with the Applicable State Agency by promptly submitting any information required by the Applicable State Agency for purposes of processing such permit applications.

41. Title V or Other Operating Permits: Emission Limits and Standards. This Consent Decree shall not terminate until the requirements set forth in this Paragraph are incorporated into Title V or other operating permits for each Operating Nitric Acid Plant and its associated Facility. Therefore, during the duration of this Consent Decree, the respective Settling Defendants shall file all applications necessary to incorporate the following Consent

Decree requirements into the Title V or other operating permits for each of their respective Operating Nitric Acid Plants in accordance with Applicable State Agency rules, including applicable administrative amendment provisions of such rules:

a. The NO_x emission requirements specified in Section IV.A (Compliance Requirements) of this Consent Decree (*i.e.* Short-Term NO_x Emissions Limit of 1.0 lb/ton and Long-Term NO_x Emissions Limit of 0.60/lb/ton);

b. A statement that the above-referenced NO_x emission requirements were established pursuant to a negotiated Consent Decree with the United States, the State of Alabama, and the ODEQ, and shall not be relaxed without the approval of EPA and the Applicable State Party, if any;

c. The monitoring requirements specified in Section IV.C (Compliance Requirements) of this Consent Decree and established in the applicable CEMS Plan in Attachment C of this Consent Decree; and

d. The applicability of NSPS 40 C.F.R. Part 60, Subparts A and G, and all applicable requirements therein, as established in Section IV.B (Compliance Requirements) of this Consent Decree.

42. Requirements incorporated into Title V or other operating permits pursuant to Paragraph 41 shall survive termination of this Consent Decree.

43. For any permit applications required by this Section VII (Permits) that are filed after the Effective Date of this Consent Decree, the respective Settling Defendants shall submit to the EPA in the manner set forth in Section XIV (Notices), a copy of each application, as well as a copy of any permit proposed as a result of such application, to allow for timely participation in any public comment opportunity. If, as of the Effective Date of this Consent Decree, any of

the respective Settling Defendants have already received any permit necessary to implement the requirements of this Consent Decree, then no later than 30 Days after the Effective Date of this Consent Decree, such Settling Defendants shall submit copies of such permits to the EPA in the manner set forth in Section XIV (Notices). The EPA may excuse in writing all or part of the latter submissions if copies of such permits have already been submitted prior to the Effective Date of this Consent Decree.

VIII. EMISSION CREDIT GENERATION

44. No Settling Defendant may use any NO_x emission reductions resulting from implementation of this Consent Decree for the purpose of obtaining netting credits or offsets in any PSD, major NSR, and/or minor NSR permit or permit proceeding, and shall not buy, sell or trade any NO_x emission reductions resulting from implementation of this Consent Decree; provided however, that nothing in this Consent Decree is intended to prohibit Settling Defendants from:

a. Using netting reductions or emission offset credits from Covered Nitric Acid Plants that are covered by this Consent Decree to the extent the proposed netting reductions or emission offset credits represent the difference between the emission limits set forth in this Consent Decree and the more stringent emission limits that such Settling Defendant may elect to accept for the Covered Nitric Acid Plants in a permitting process;

b. Using netting reductions or emissions offset credits from units that are not Covered Nitric Acid Plants;

c. Using netting reductions or emissions offset credits for any pollutants other than NO_x.

45. Baseline Actual Emissions. For the purposes of calculating baseline actual emissions as defined in the PSD or NSR rules, in any PSD, major NSR, and/or minor NSR permit or permit proceeding for any Operating Nitric Acid Plant, emissions of NO_x from any Operating Nitric Acid Plant during any 24-month period selected by Settling Defendant EDCC (for the El Dorado Facility), Settling Defendant CNC (for the Cherokee Facility), Settling Defendant PCC (for the Pryor Facility), or Settling Defendant EDN (for the Baytown Facility), shall be adjusted downward to exclude any emissions that would have exceeded the Long-Term NO_x Emissions Limit for that Operating Nitric Acid Plant established under this Consent Decree had the Operating Nitric Acid Plant been required to comply with the Long-Term NO_x Emissions Limit during the selected consecutive 24-month period.

IX. REPORTING REQUIREMENTS

46. Semi-Annual Reports: Contents. After the Effective Date and until the date that this Consent Decree is terminated pursuant to Section XX (Termination), the respective Settling Defendants shall submit to the EPA, ADEM, and ODEQ in the manner set forth in Section XVI (Notices), a semi-annual progress report for their respective Operating Nitric Acid Plants no later than January 31 and July 31 of each year, with the first semi-annual report due on July 31, 2013. Each semi-annual progress report shall contain the following information or discussion for each Operating Nitric Acid Plant with respect to the half-year between July 1 and December 31, or the half-year between January 1 and June 30:

a. Progress made toward implementing the requirements of Section IV (Compliance Requirements) of this Consent Decree, including the respective Settling Defendants' plans for how they intend to comply with such requirements (*e.g.*, indicating, if applicable, preliminary design specifications), and descriptions of any work already performed;

b. Any significant modifications to previously-submitted design specifications of any pollution control system, or to monitoring equipment, required to comply with the requirements of Section IV (Compliance Requirements) of this Consent Decree;

c. Any significant problems encountered or anticipated in complying with the requirements of Section IV (Compliance Requirements) of this Consent Decree;

d. A summary of the emissions monitoring and testing data collected to demonstrate compliance with any requirement of this Consent Decree;

e. On and after the compliance dates for the applicable Short-Term NO_x Emissions Limit, a description of all periods of Startup, Shutdown, and Malfunction, including the quantity of NO_x emitted during such periods, and the cause of Malfunctions;

f. On and after the compliance dates for the applicable Short-Term NO_x Emissions Limit, all information required to be reported in the applicable CEMS Plan;

g. Status of permit applications and a summary of all permitting activity pertaining to compliance with this Consent Decree;

h. Any correspondence with Applicable State Agencies pertaining to compliance with this Consent Decree; and

i. After submission of the O&M Plans specified in Section IV.E (Compliance Requirements) of this Consent Decree, a description of any changes or updates made to such O&M Plans.

47. Notification of Potential Non-Compliance. If any of the respective Settling Defendants violate, or have reason to believe that they may violate, any requirement of this Consent Decree, one or more of the respective Settling Defendants shall notify the United States and the Applicable State, if any, of such violation or potential violation and its duration or

anticipated likely duration, in writing, within 45 Days of the Day that one or more of the respective Settling Defendants first became aware of the violation or potential violation, with an explanation of the violation's likely cause and of the remedial steps taken, or to be taken, by one or more of the respective Settling Defendants to prevent or minimize such violation. If the cause of a violation cannot be fully explained at the time the report is due, the reporting actor for the respective Settling Defendants shall so state in the report. The reporting actor for the respective Settling Defendants shall investigate the cause of the violation and shall then submit an amendment to the report, including a full explanation of the cause of the violation, within 30 Days of the day the respective Settling Defendants first became aware of the cause of the violation. Nothing in this Paragraph or the following Paragraph relieves the respective Settling Defendants of their obligations to provide the notice required by Section XI of this Consent Decree (Force Majeure).

48. Imminent Threat. Whenever any violation of this Consent Decree or of any applicable permit(s) or any other event at a Covered Nitric Acid Plant may pose an immediate threat to the public health or welfare or the environment, one or more of the respective Settling Defendants shall notify EPA and the Applicable State Agency orally or by electronic or facsimile transmission as soon as possible, but no later than 24 hours after the respective Settling Defendants first knew of the violation or event. This procedure is in addition to the requirements set forth in the preceding Paragraph, and is in addition to any other state or federal reporting requirement which may be applicable.

49. All reports shall be submitted to the persons and in the manner designated in Section XVI (Notices) of this Consent Decree.

50. Each report submitted by one or more of the respective Settling Defendants under this Section shall be signed by a plant manager, a corporate official responsible for environmental management and compliance, or a corporate official responsible for plant engineering management of the reporting actor for the respective Settling Defendants and shall include the following certification:

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that this document and its attachments were prepared either by me personally or under my direction or supervision in a manner designed to ensure that qualified and knowledgeable personnel properly gather and present the information contained therein. I further certify, based on my personal knowledge or on my inquiry of those individuals immediately responsible for obtaining the information, that the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowingly and willfully submitting a materially false statement.

51. The reporting requirements of this Consent Decree do not relieve the respective Settling Defendants of any reporting obligations required by the CAA or implementing regulations, or by any other federal, state, or local law, regulation, permit, or other requirement. The reporting requirements of this Section are in addition to any other reports, plans, or submissions required by other Sections of this Consent Decree.

52. Any information provided pursuant to this Consent Decree may be used by the United States or the State Parties in any proceeding to enforce the provisions of this Consent Decree and as otherwise permitted by law. All information and documents submitted by the respective Settling Defendant to the United States or the State Parties pursuant to this Consent Decree shall be subject to public inspection unless identified and supported as confidential business information (“CBI”) in accordance with 40 C.F.R. Part 2 and other applicable state law.

Under no circumstances shall emissions data required to be submitted pursuant this Consent Decree be identified or considered CBI.

X. STIPULATED PENALTIES

53. Settling Defendants shall be liable for stipulated penalties to the United States and the Applicable State Party, if any, for violations of this Consent Decree as specified below, unless excused under Section XI (Force Majeure), or waived pursuant to Paragraph 66 of this Consent Decree. A violation includes failing to perform any obligation required by the terms of this Decree, including any work plan or schedule approved under this Consent Decree, according to all applicable requirements of this Consent Decree and within the specified time schedules established by or approved under this Consent Decree.

54. Late Payment of Civil Penalty. If Settling Defendants fails to pay the civil penalty required to be paid under Section V of this Consent Decree (Civil Penalty) when due, Settling Defendants shall pay a Stipulated Penalty of \$1,000 per Day for each Day that the payment is late.

55. Final Short-Term NO_x Emissions Limit Violation. For each violation of the Short-Term NO_x Emissions Limit, as set forth in Section IV.A (Compliance Requirements) of this Consent Decree, in any non-overlapping 3-hour period (*i.e.*, no more than eight violations in a single twenty-four hour period) on and after the corresponding applicable Compliance Date for each Operating Nitric Acid Plant (see Table 1) the stipulated penalty for the respective Settling Defendants shall be:

<u>Percentage Over the Limit</u>	<u>Penalty per Violation</u>
1 - 50%	\$250
51 - 100%	\$500
Over 100%	\$750

Where a violation of the Short-Term NO_x Emissions Limit also violates the NSPS NO_x Limit, the provisions of this Stipulated Penalty paragraph shall apply.

56. Final Long-Term NO_x Emissions Limit Violation. For each violation, per day, of the Long-Term NO_x Emissions Limit, as set forth in Section IV.A (Compliance Requirements) of this Consent Decree, on and after the corresponding Compliance Date for each Operating Nitric Acid Plant (see Table 1), the stipulated penalty for the respective Settling Defendants shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$1000
15th - 30th day	\$1500
31st day and each day thereafter	\$2000

57. Interim NO_x Emissions Limit Violation. For each violation of the Interim NO_x Emissions Limit, as set forth in Section IV.A (Compliance Requirements) of this Consent Decree, on and after the corresponding applicable Compliance Date for each Nitric Acid Plant subject to an Interim NO_x Emissions Limit (see Table 2) the stipulated penalty for the respective Settling Defendants shall be:

<u>Percentage Over the Limit</u>	<u>Penalty per Violation</u>
1 - 50%	\$250
51 - 100%	\$500
Over 100%	\$750

58. Violation of Opacity Limits in the NSPS. For each violation of the opacity requirements of 40 C.F.R. § 60.72(a)(2), as demonstrated by EPA Reference Test Method 9, the stipulated penalty for the respective Settling Defendants shall be \$40 per six (6) minute average reading in excess of the limit, up to a maximum of \$2000 per day.

59. Emissions Monitoring Violations. For each violation of any of the requirements in Section IV.C (Compliance Requirements), including the requirements in the CEMS Plan, the stipulated penalty for the respective Settling Defendants shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$1500
15th - 30th day	\$2000
31st day and each day thereafter	\$2500

60. Violation of Performance Testing Requirements. For each violation of any of the requirements in Section IV.D (Compliance Requirements) the stipulated penalty for the respective Settling Defendants shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$1000
15th - 30th day	\$1500
31st day and each day thereafter	\$2000

61. Violation of Permitting Requirements. For each violation of any of the requirements of Section VII (Permits), the stipulated penalty for the respective Settling Defendants shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$1000
15th - 30th day	\$1500
31st day and each day thereafter	\$2000

62. Violation Emission Credit Generation Provisions. For each violation of any of the requirements of Section VIII (Emission Credit Generation), the stipulated penalty shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$1000
15th - 30th day	\$1500
31st day and each day thereafter	\$2000

63. Violation of Reporting Requirements. For each violation of any of the requirements of Section IX (Reporting Requirements), the stipulated penalty for the respective Settling Defendants shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$150
15th - 30th day	\$250
31st day and each day thereafter	\$500

64. All Other Violations. For each failure to comply with any requirement of this Consent Decree not specifically referenced in Paragraphs 53 - 63 or of any plan or schedule approved under this Consent Decree within the specified time established by or approved under this Consent Decree, the stipulated penalty shall be as follows:

<u>Period of Noncompliance</u>	<u>Penalty per violation per day</u>
1st - 14th day	\$150
15th - 30th day	\$250
31st day and each day thereafter	\$500

65. Payment or Allocation of Stipulated Penalties. The respective Settling Defendants shall pay stipulated penalties provided under this Consent Decree upon written demand by the United States or the Applicable State Party, if any. Demand from either the United States or an Applicable State Party, if any, shall be deemed a demand from both, but the United States and

the Applicable State Party shall consult with each other prior to making a demand. Stipulated penalties shall be directed as follows:

a. Payment of Stipulated Penalties to the United States when there is No Applicable State Party. When there is no Applicable State Party eligible to receive particular stipulated penalties due under this Consent Decree (*e.g.* for violations relating to a Facility located outside of the jurisdiction of the State Parties), stipulated penalties shall be paid solely to the United States (100%) in accordance with the payment procedures set forth in Paragraph 70;

b. Allocation of Payment of Stipulated Penalties Amongst the United States and the Applicable State Parties, where there is at least one Applicable State Party. Where there is at least one Applicable State Party eligible to receive particular stipulated penalties due under this Consent Decree, the stipulated penalties shall be paid to the United States and the Applicable State Party, the total amount divided 50% to the United States and 50% to the Applicable State Party (such that if both State Parties are Applicable State Parties for the particular stipulated penalties due, each State Party shall receive 25%), in accordance with the payment procedures set forth in Paragraph 70.

66. Waiver of Payment. The United States and/or the Applicable State Party receiving stipulated penalties, if any, may, in its/their unreviewable discretion and after consultation, reduce or waive payment of any portion or all of the stipulated penalties that may be due to it/them under this Consent Decree.

67. Demand for Stipulated Penalties. A written demand for the payment of stipulated penalties will identify: (i) the particular violation(s) to which the stipulated penalty relates; (ii) the stipulated penalty amount that the United States and/or the Applicable State Party, if any, is

demanding for each violation (as can be best estimated); (iii) the calculation method underlying the demand; and, (iv) the grounds upon which the demand is based.

68. Stipulated Penalties' Accrual. Stipulated penalties will begin to accrue on the day after performance is due or the day a violation occurs, whichever is applicable, and will continue to accrue until performance is satisfactorily completed or the violation ceases. Stipulated penalties shall accrue simultaneously for separate violations of this Consent Decree.

69. Stipulated Penalties Payment Due Date. Stipulated penalties shall be paid no later than 30 Days after the respective Settling Defendant's receipt of a written demand by the United States and/or the Applicable State Party, if any, unless the demand is disputed through compliance with the requirements of Section XII (Dispute Resolution) of this Consent Decree.

70. Manner of Payment of Stipulated Penalties. Stipulated penalties owing to the United States and/or any Applicable State Party shall be paid in the manner set forth and with the confirmation notices required by Paragraphs 28, 29, and/or 30 of Section V (Civil Penalty), except that the transmittal letter shall state that the payment is for stipulated penalties and shall identify the violation(s) to which the stipulated penalties payment relates.

71. Disputes over Stipulated Penalties. Stipulated penalties shall continue to accrue as provided in Paragraph 68, during any Dispute Resolution, but need not be paid until the following:

a. If the dispute is resolved by agreement or by a decision or order of the EPA or Applicable State Party Agency, if any, that is not appealed to the Court, then within 30 Days of the effective date of such agreement or the receipt of such decision or order, the respective Settling Defendants shall pay accrued penalties determined to be owing, together with Interest, as provided under Paragraph 65;