



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: September 18, 2006
RE: Newport Chemical Depot / 165-19297-00003
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Brian M. Lynch, Lieutenant Colonel
Newport Chemical Depot (NECD)
P.O. Box 160
Newport, Indiana 47966-0160

September 18, 2006

Re: 165-19297-00003
Third Significant Revision to
FESOP 165-14084-00003

Dear Lieutenant Colonel Lynch:

Newport Chemical Depot (NECD) was issued a permit on July 12, 2002 for a National Defense – Chemical Stockpile Storage Site. A letter requesting changes to this permit was received on June 22, 2004 and April 11, 2005. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The revision includes the addition of generators, a personnel decontamination trailer, air compressors, the removal of various emission units, and descriptive changes.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Linda Quigley, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call at (973) 575-2555, ext. 3284 or dial (800) 451-6027, and ask for extension 3-6878.

Sincerely,

Original Signed By:
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments
(LQ/EVP)

cc: File - Vermillion County
U.S. EPA, Region V
Vermillion County Health Department
Air Compliance Inspector – Jim Thorpe
Compliance Data Section
Administrative and Development
Technical Support and Modeling



Mitchell E. Daniels, Jr.
 Governor

Thomas W. Easterly
 Commissioner

100 North Senate Avenue
 Indianapolis, Indiana 46204-2251
 (317) 232-8603
 (800) 451-6027
 www.IN.gov/idem

**FEDERALLY ENFORCEABLE STATE
 OPERATING PERMIT (FESOP)
 OFFICE OF AIR QUALITY**

**Newport Chemical Depot (NECD)
 Indiana State Road 63
 Newport, Indiana 47966-0121**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F165-14084-00003	
Original signed by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: July 12, 2002 Expiration Date: July 12, 2007
First Significant Permit Revision: 165-16273 First Administrative Amendment: 165-16708 Second Administrative Amendment: 165-18375 Third Administrative Amendment: 165-18780 Second Significant Permit Revision: 165-20258 First Minor Permit Revision: 165-22789	Issuance Date: January 8, 2003 Issuance Date: March 19, 2003 Issuance Date: January 13, 2004 Issuance Date: May 18, 2004 Issuance Date: June 27, 2005 Issuance Date: April 19, 2006
Third Significant Permit Revision: 165-19297-00003	Pages Affected: entire permit
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 18, 2006 Expiration Date: July 12, 2007

SECTION A	SOURCE SUMMARY	5
A.1	General Information [326 IAC 2-8-3(b)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.3	Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]	
A.4	FESOP Applicability [326 IAC 2-8-2]	
SECTION B	GENERAL CONDITIONS	11
B.1	Definitions [326 IAC 2-8-1]	
B.2	Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-8-6]	
B.5	Severability [326 IAC 2-8-4(4)]	
B.6	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.7	Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.8	Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.9	Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]	
B.10	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.11	Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]	
B.12	Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.13	Emergency Provisions [326 IAC 2-8-12]	
B.14	Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]	
B.15	Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.16	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]	
B.17	Permit Renewal [326 IAC 2-8-3(h)]	
B.18	Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]	
B.19	Operational Flexibility [326 IAC 2-8-15]	
B.20	Permit Revision Requirement [326 IAC 2-8-11.1]	
B.21	Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]	
B.22	Transfer of Ownership or Operational Control [326 IAC 2-8-10]	
B.23	Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]	
B.24	Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS	20
	Emission Limitations and Standards [326 IAC 2-8-4(1)]	
C.1	Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds Per Hour [326 IAC 6-3-2]	
C.2	Overall Source Limit [326 IAC 2-8]	
C.3	Opacity [326 IAC 5-1]	
C.4	Open Burning [326 IAC 4-1][IC 13-17-9]	
C.5	Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]	
C.6	Fugitive Dust Emissions [326 IAC 6-4]	
C.7	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
	Testing Requirements [326 IAC 2-8-4(3)]	
C.8	Performance Testing [326 IAC 3-6]	
	Compliance Requirements [326 IAC 2-1.1-11]	
C.9	Compliance Requirements [326 IAC 2-1.1-11]	
	Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]	
C.10	Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]	
C.11	Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]	
C.12	Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]	

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

- C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

- C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

SECTION D.1 FACILITY OPERATION CONDITIONS

Non-emergency Type Generators, pressure washers, and welders 27

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.1.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4] [326 IAC 2-2]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.1.2 Record Keeping Requirements
- D.1.3 Reporting Requirements

SECTION D.2 FACILITY OPERATION CONDITIONS

Emergency Type Generators 29

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.2.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4] [326 IAC 2-2]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.2.2 Record Keeping Requirements
- D.2.3 Reporting Requirements

SECTION D.3 FACILITY OPERATION CONDITIONS

Generators and IC Engines 31

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.3.1 Sulfur Dioxide, Volatile Organic Compounds, Carbon Monoxide and Nitrogen Oxides [326 IAC 2-8-4] [326 IAC 2-2]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.3.2 Record Keeping Requirements
- D.3.3 Reporting Requirements

SECTION D.4 FACILITY OPERATION CONDITIONS - One (1) Agent Neutralization Process 33

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.4.1 Volatile Organic Compounds (VOC) [326 IAC 2-8-4]
- D.4.2 Volatile Organic Compounds (VOC) [326 IAC 2-8-4]
- D.4.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

Compliance Determination Requirements

- D.4.4 Carbon Adsorption Filters

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

- D.4.5 Visible Checks for Leaks

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.4.6 Record Keeping Requirements
- D.4.7 Reporting Requirements

SECTION D.5 FACILITY CONDITIONS

The Pollutant Emitting Activities Related to the NECDF

35

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.5.1 Sulfur Dioxide, Volatile Organic Compounds, Carbon Monoxide and Nitrogen Oxides [326 IAC 2-8-4][326 IAC 2-2]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.5.2 Record Keeping Requirements
- D.5.3 Reporting Requirements

SECTION D.6 FACILITY OPERATION CONDITIONS - Insignificant Activities

37

Emission Limitations and Standards [326 IAC 2-8-4(1)]

- D.6.1 Particulate Matter (PM) [326 IAC 6-2-3]
- D.6.2 Particulate Matter (PM) [326 IAC 6-3-2]
- D.6.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Equipment to be Temporarily Installed

- D.6.4 Particulate Matter (PM-10), Sulfur Dioxide (SO₂), Volatile Organic Compounds (VOC), Carbon Monoxide (CO) and Nitrogen Oxides (NO_x) [326 IAC 2-8-4][326 IAC 2-2]
- D.6.5 Tank Storage Capacities [40 CFR 60, Subpart Kb]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

- D.6.6 Record Keeping Requirements
- D.6.7 Reporting Requirements

Certification Form	40
Emergency Occurrence Form	41
Natural Gas Fired Boiler Certification	43
Quarterly and Monthly Report Forms	44-49
Quarterly Deviation and Compliance Monitoring Report Form	50

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a National Defense - Chemical Stockpile Storage Site.

Responsible Official: Brian M. Lynch, Lieutenant Colonel
Source Address: Indiana State Road 63, Newport, Indiana, 47966-0160
Mailing Address: P.O. Box 160, Newport, Indiana, 47966-0160
SIC Code: 9711
County Location: Vermillion
County Status: Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source, which consists of the Main Operation and the Newport Chemical Agent Disposal Facility (NECDF), includes the following emission units and pollution control devices:

Main Operation:

- (a) The following non-emergency type generators, pressure washers, air compressors, and welder:
- (1) three (3) diesel generators individually rated at 6 kilowatts (kW), each exhausting at one (1) stack identified as S/V17, 18, and 19, respectively;
 - (2) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 20;
 - (3) one (1) gasoline generator rated at 4 kW, exhausting at one (1) stack identified as S/V 29;
 - (4) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 33;
 - (5) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 59;
 - (6) two (2) gasoline-fired generators, each with maximum rated capacity of 9 horsepower (hp), each exhausting to one (1) stack (S/V 64 and 65, respectively);
 - (7) one (1) diesel-fired generator, with a maximum rated capacity of 62 horsepower (hp), exhausting to one (1) stack (S/V 63);
 - (8) one (1) gasoline fired generator, identified as NS-GN-4, rated at 20 horsepower (hp), and exhausting at one (1) stack, identified as S/V 80;
 - (9) one (1) gasoline engine powered welder, identified as NS-WEL-3, rated at 11 hp, and exhausting at one (1) stack identified as S/V 84;

- (10) one (1) gasoline engine powered high-pressure washer, identified as NS-PW-1, rated at 16 hp, exhausting at one (1) stack identified as S/V 86;
 - (11) Three (3) diesel fuel fired air compressors, identified as 1009, 1010, and 1011, respectively, each rated at 47.7 horsepower, and each exhausting to the atmosphere.
 - (12) one (1) gasoline fired generator, identified as NS-GN-6 rated at 152 horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.
- (b) The following emergency type generators, and trailer (generator):
- (1) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 21;
 - (2) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 22;
 - (3) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 23;
 - (4) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 24;
 - (5) one (1) diesel generator rated at 255 kW, exhausting at one (1) stack identified as S/V 25;
 - (6) two (2) natural gas generators individually rated at 125 kW, each exhausting at one (1) stack identified as S/V 55 and S/V 56, respectively;
 - (7) one (1) 941 PDS trailer (generator) rated at 25 kW, exhausting at one (1) stack identified as S/V 60;
 - (8) one (1) diesel fuel fired generator, rated at 125 kW, exhausting at one (1) stack, identified as S/V 96;
 - (9) two (2) diesel fuel fired generators, each rated at 12 kW, each exhausting at one (1) stack identified as S/V 97 and 98, respectively;
 - (10) one (1) diesel fuel fired generator for Sprung Structure, identified as NS-GN-7, rated at 350 kW, installed in 2003, identified as S/V 99;
 - (11) One (1) diesel fuel fired generator, identified as NS-GN-8, rated at 126 horsepower and exhausting to stack S/V 202.
 - (12) One (1) diesel fuel fired generator, identified as NS-GN-9, rated at 179 horsepower and exhausting to stack S/V 203.
 - (13) One (1) diesel fuel fired generator, identified as NS-GN-10, rated at 179 horsepower and exhausting to stack S/V 204.
 - (14) One (1) diesel fuel fired generator, identified as NS-GN-11, rated at 179 horsepower and exhausting to stack S/V 205.
- (c) The following gasoline pumps and diesel fuel pumps (internal combustion engines):
- (1) three (3) diesel fuel pumps, located in Building 733K and each rated at 20 horsepower (HP);

- (2) one (1) gasoline pump, located in Building 717A and rated at 20 HP;
 - (3) one (1) gasoline pump, located in Building 739A and rated at 20 HP;
 - (4) one (1) gasoline pump, located in Building 739A and rated at 12 HP;
 - (5) one (1) gasoline pump, located in Building 725A and rated at 10 HP;
 - (6) one (1) gasoline pump, located in Building 739A and rated at 8 HP;
 - (7) one (1) gasoline pump, located in Building 710 and rated at 7.5 HP; and
 - (8) one (1) gasoline pump, located in Building 717A and rated at 3 HP;
- (d) The following maintenance units (internal combustion engines):
- (1) three (3) gasoline fired engines, located in Building 739A and each rated at 5.5, 20 and 10 HP, respectively;
 - (2) one (1) diesel fired engine, located in Building 725A and rated at 65 HP; and
 - (3) one (1) gasoline fired engine, located in Building 725A and rated at 55 HP;
- (e) One (1) portable enclosed emergency personnel decontamination trailer containing one (1) 10.0 kW diesel generator, one (1) 400,000 input Btu/hr diesel hot water generator, and one (1) 110,000 output Btu/hour diesel comfort space heater, exhausting at one (1) collective stack, identified as S/V 103.

NECDF:

- (a) four (4) emergency type generators:
- (1) two (2) emergency type #2 fuel oil fired generators, each rated at 2,250 kW, exhausting at one (1) stack identified as S/V 73;
 - (2) one (1) #2 fuel oil generator rated at 250 kW, exhausting at one (1) stack identified as S/V 75; and
 - (3) one (1) fire pump engine rated at 265 hp, exhausting at one (1) stack identified as S/V 102.;
- (b) One (1) agent neutralization process conducted in the Utility Building (UB) and the Process Auxiliary Building (PAB), including the following equipment:
- (1) five (5) Chemical Agent Treatment System (CHATS);
 - (2) two (2) drained agent holding tanks;
 - (3) two (2) agent reactors;
 - (4) ten (10) caustic wash tanks;
 - (5) eight (8) hydrolysate sampling tanks;
 - (6) three (3) hydrolysate storage tanks;
 - (7) five (5) spent decontamination tanks;
 - (8) one (1) truck loading/unloading station;

- (9) one (1) ton Container Line - Enhanced Steam Decontamination unit, rated at 12 ton containers per day.

Emissions from both buildings (UB and PAB) are controlled by carbon filters and exhaust through one (1) stack identified as S/V 101;

- (c) the pollutant emitting activities related to the Operations and Maintenance (O&M) of the NECDF:
 - (1) operation of portable generators, welders and air compressors;
 - (2) operation of other internal combustion (IC) engines; and
 - (3) miscellaneous operations, maintenance, or construction related fugitive and non-fugitive insignificant activities;
- (d) one (1) portable VacStar Vacuum/Pressure Wash Trailer containing one (1) 25 hp gasoline engine coupled to a vacuum pump, one (1) 9 hp gasoline engine coupled to a pressure pump, and one (1) 440,000 Btu/hour propane hot water heater, exhausting at one (1) collective stack identified as S/V 106;
- (e) one (1) portable enclosed emergency personnel decontamination trailer containing one (1) 7.4 kW diesel generator one (1) 380,000 Btu/hour diesel hot water generator, and one (1) 117,000 Btu/hour diesel comfort space heater, exhausting at one (1) collective stack identified as S/V 107.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) one (1) natural gas fired boiler identified as Building 7700 Boiler rated at 2.51 million (MM) British thermal units per hour, constructed prior to September 21, 1983, and using #2 fuel oil as a backup, exhausting at one (1) stack;
- (b) one (1) 1,000 gallon capacity diesel fuel underground storage tank (UST) identified as Tank #144, exhausting at one emission point;
- (c) one (1) 550 gallon capacity diesel fuel UST identified as Tank #6178, exhausting at one emission point;
- (d) one (1) 240 gallon capacity diesel fuel AST identified as Tank 733K, exhausting at one emission point;
- (e) one (1) 1,000 gallon diesel fuel UST, identified as ORO;
- (f) one (1) 550 gallon capacity No. 2 fuel oil UST identified as Tank 7703-1, exhausting at one emission point;
- (g) one (1) 18,000 gallon capacity propane AST identified as Propane Tank at Propane Station;
- (h) one (1) diesel aboveground storage tank (AST), ID 710, with a storage capacity of 480 gallons;
- (i) one (1) 530 gallon diesel AST for Sprung Structure, this tank is attached to S/V 99 [Section A.2(b)(10)];
- (j) one (1) 10,000 gallon capacity gasoline UST, exhausting at one emission point;

- (k) two (2) walk-in paint booths with total potential VOC and PM emissions of less than 3 lb/hr and 5 lb/hr, respectively, exhausting at two emission points;
- (l) four (4) cold cleaning degreasing units in buildings 716A and 717A, installed in 2000, using less than 145 gallons of solvent per year;
- (m) one (1) woodworking operation exhausting at one (1) emission point;
- (n) one (1) mobile abrasive blaster rated at 107.1 pounds blast media;
- (o) one (1) gasoline dispensing station with fuel dispensing of less than 1,300 gallons per day, exhausting at one emission point;
- (p) additional miscellaneous insignificant activities as:
 - (1) boilers/heaters (excluding Building 7700);
 - (2) medical lab;
 - (3) wastewater treatment facility;
 - (4) combustion start-up;
 - (5) 10,000 gallon capacity diesel fuel storage tank;
 - (6) fire training activities;
 - (7) asbestos abatement projects;
 - (8) water treatment;
 - (9) toxic laundry;
 - (10) pesticides/herbicides;
 - (11) structural painting;
 - (12) welding;
 - (13) air conditioning & refrigeration units;
 - (14) fire suppression systems;
 - (15) road paving;
 - (16) fixed abrasive blaster;
 - (17) protective mask cleaning;
 - (18) weapons cleaning; and
 - (19) miscellaneous chemical usage;
- (q) miscellaneous fugitive activities:
 - (1) landfills ;
 - (2) small arms firing;
 - (3) storage piles;
 - (4) road dust; and
 - (5) prairie burns, stated as up to 110 acres per year.
- (r) one (1) oxyacetylene and stick welding station, with maximum wire consumption rate of 2.01 pounds per hour.
- (s) paved and unpaved roads and parking lots with public access;
- (t) purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process;
- (u) equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment;
- (v) on-site fire and emergency response training approved by the department;
- (w) stationary fire pumps;

- (x) any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 tons per year of a single HAP;
- (y) any unit emitting greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs.
- (z) two (2) propane fired hot water heaters, each rated at 0.179 million British thermal units per hour (MMBtu/hr);
- (aa) one (1) diesel generator and one (1) air compressor, each rated at 5 HP;
- (bb) four (4) portable kerosene heaters, each rated at 0.189, 0.189, 0.149 and 0.162 MMBtu/hr, respectively, and each exhausting at one (1) stack, identified as S/V 88, S/V 89, S/V 90 and S/V 91, respectively;
- (cc) three (3) propane heaters, each rated at 0.028, 0.095 and 0.095 MMBtu/hr, respectively, and each exhausting at one (1) stack, identified as S/V 92, S/V 93 and S/V 94, respectively;
- (dd) the following equipment to be temporarily installed and operated at the existing source:
 - (1) internal combustion engines:
 - (A) non-emergency generators;
 - (B) pressure washers;
 - (C) air compressors;
 - (D) welders;
 - (E) winches;
 - (F) water pumps;
 - (G) cutting torches;
 - (H) emergency lights.
 - (2) above ground storage tanks with storage capacity less than 10,500 gallons;
 - (3) heaters;
 - (4) smoke bombs;
- (ee) #2 fuel oil tanks located within NECDF:
 - (1) Two (2) 10,000 gallon storage tanks, identified as M-3201A and M-3201B, respectively.
 - (2) Two (2) 500 gallon tanks, identified as M-3202A and M3202B, respectively.
 - (3) One (1) 480 gallon tank, identified as M-3204.
 - (4) One (1) 360 gallon tank, identified as Fire Pump tank.
 - (5) One (1) 480 gallon tank, identified as M-3205.
- (ff) Four (4) diesel-fired Monitoring Trailer Generators, located in NECDF, each rated at 6.8 kW and exhausting at one (1) collective stack identified as S/V 105.
- (gg) two (2) diesel generators individually rated at 12.7 kilowatts (kW), each exhausting at one (1) stack identified as S/V 108 and S/V 109, respectively.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

- (a) This permit, F165-14084-00003 is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 when furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.9 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) The Permittee shall furnish to IDEM, within a reasonable time, any information that IDEM, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by authorized individual as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, copies of records required to be kept by this permit.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may be required to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs), including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F165-14084-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
(B) Any steps taken to mitigate the emissions; and
(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

- (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(c)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(c), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch – Indiana
(AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD));
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), the potential to emit of particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. The potential to emit of all other criteria pollutants is less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within thirty (30) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within thirty (30) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial thirty (30) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within 180 days from the date on which this source commences operation).

The ERP does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

The following non-emergency type generators, pressure washers, air compressors, and welder in main operation:

- (a) three (3) diesel generators individually rated at 6 kilowatts (kW), each exhausting at one (1) stack identified as S/V17, 18, and 19, respectively;
- (b) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 20;
- (c) one (1) gasoline generator rated at 4 kW, exhausting at one (1) stack identified as S/V 29;
- (d) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 33;
- (e) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 59;
- (f) one (1) diesel-fired generator, with a maximum rated capacity of 62 horsepower (hp), exhausting to one (1) stack (S/V 63);
- (g) one (1) gasoline fired generator, identified as NS-GN-4, rated at 20 horsepower (hp), and exhausting at one (1) stack, identified as S/V 80;
- (h) one (1) gasoline engine powered welder, identified as NS-WEL-3, rated at 11 hp, and exhausting at one (1) stack identified as S/V 84;
- (i) one (1) gasoline engine powered high-pressure washer, identified as NS-PW-1, rated at 16 hp, exhausting at one (1) stack identified as S/V 86;
- (j) one (1) gasoline fired generator, identified as NS-GN-6 rated at 152 horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.
- (k) three (3) diesel fuel fired air compressors, identified as 1009, 1010, and 1011, respectively, each rated at 47.7 horsepower, and each exhausting to the atmosphere.
- (l) two (2) gasoline-fired generators, each with maximum rated capacity of 9 horsepower (hp), each exhausting to one (1) stack (S/V 64 and 65, respectively);

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the non-emergency generators, pressure washer, air compressors and welder identified as NS-WEL-3, shall not exceed 360 hours, the 155 kW generator exhausting through SV 20 shall not exceed 500 hours, the 9 hp generators exhausting to SV 64 and 65 shall each not exceed 180 hours, and the 62 HP diesel fired generator exhausting at stack SV 63 shall not exceed 2000 hours per twelve (12) consecutive month period with compliance determined at the end of each month. This operating limit shall limit total CO and NOx emissions from the non-emergency generators, pressure washer, air compressors and welder to 19.42 and 4.93 tons per twelve (12) consecutive month period, respectively. Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.2 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the operating limits of D.1.1.
 - (1) The hours of operation each month for each non-emergency generator, pressure washer, air compressor and welder; and
 - (2) The 12 month rolling total of hours of operation for each non-emergency generator, pressure washer, air compressor and welder.

- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.3 Reporting Requirements

A quarterly summary to document compliance with operation condition number D.1.1 shall be submitted, to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Main Operation

The following emergency type generators, and trailer (generator):

- (a) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 21;
- (b) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 22;
- (c) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 23;
- (d) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 24;
- (e) one (1) diesel generator rated at 255 kW, exhausting at one (1) stack identified as S/V 25;
- (f) two (2) natural gas generators individually rated at 125 kW, each exhausting at one (1) stack identified as S/V 55 and S/V 56, respectively;
- (g) one (1) 941 PDS trailer (generator) rated at 25 kW, exhausting at one (1) stack identified as S/V 60;
- (h) one (1) diesel fuel fired generator, rated at 125 kW, exhausting at one (1) stack, identified as S/V 96;
- (i) two (2) diesel fuel fired generators, each rated at 12 kW, each exhausting at one (1) stack identified as S/V 97 and 98, respectively;
- (j) one (1) diesel fuel fired generator for Sprung Structure, identified as NS-GN-7, rated at 350 kW, to be installed in 2003, identified as S/V 99;
- (k) One (1) diesel fuel fired generator, identified as NS-GN-8, rated at 126 horsepower and exhausting to stack S/V 202.
- (l) One (1) diesel fuel fired generator, identified as NS-GN-9, rated at 179 horsepower and exhausting to stack S/V 203.
- (m) One (1) diesel fuel fired generator, identified as NS-GN-10, rated at 179 horsepower and exhausting to stack S/V 204.
- (n) One (1) diesel fuel fired generator, identified as NS-GN-11, rated at 179 horsepower and exhausting to stack S/V 205.

NECDF

Four (4) emergency type generators:

- (a) one (1) #2 fuel oil fired generator rated at 250 kW, exhausting at one (1) stack identified as S/V 75;
- (b) two (2) #2 fuel oil fired generators, each rated at 2,250 kW, exhausting at one (1) stack identified as S/V 73; and
- (c) one (1) fire pump engine rated at 265 hp, exhausting at one (1) stack identified as S/V 102.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the emergency generators and trailer (generator) shall not exceed 500 hours, except for the generators identified as NS-GN-9 and NS-GN-10 which shall each be limited to 200 hours, and the generator identified as NS-GEN-8 which shall be limited to 780 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. This operating limit shall limit total CO and NOx emissions from the emergency generators and trailer (generator) to 14.17 and 63.22 tons per twelve (12) consecutive month period, respectively. Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.2.2 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the operating limits of D.2.1.
- (1) The hours of operation each month for each emergency generator; and
 - (2) The 12 month rolling total of hours of operation for each emergency generator.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.3 Reporting Requirements

A quarterly summary to document compliance with operation condition number D.2.1 shall be submitted, to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Main Operation

- (a) The following gasoline pumps and diesel fuel pumps (internal combustion engines):
- (1) three (3) diesel fuel pumps, located in Building 733K and each rated at 20 horsepower (HP);
 - (2) one (1) gasoline pump, located in Building 717A and rated at 20 HP;
 - (3) one (1) gasoline pump, located in Building 739A and rated at 20 HP;
 - (4) one (1) gasoline pump, located in Building 739A and rated at 12 HP;
 - (5) one (1) gasoline pump, located in Building 725A and rated at 10 HP;
 - (6) one (1) gasoline pump, located in Building 739A and rated at 8 HP;
 - (7) one (1) gasoline pump, located in Building 710 and rated at 7.5 HP; and
 - (8) one (1) gasoline pump, located in Building 717A and rated at 3 HP;
- (b) The following maintenance units (internal combustion engines):
- (1) three (3) gasoline fired engines, located in Building 739A and each rated at 5.5, 20 and 10 HP, respectively;
 - (2) one (1) diesel fired engine, located in Building 725A and rated at 65 HP; and
 - (3) one (1) gasoline fired engine, located in Building 725A and rated at 55 HP.
- (c) One (1) portable enclosed emergency personnel decontamination trailer containing one (1) 10.0 kW diesel generator, one (1) 400,000 input Btu/hr diesel hot water generator, and one (1) 110,000 output Btu/hour diesel comfort space heater, exhausting at one (1) collective stack, identified as S/V 103.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the internal combustion (IC) engines shall not exceed 360 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. The operation of the 10.0 kW diesel generator, the 400,000 Btu/hr diesel hot water generator, and the 110,000 Btu/hr diesel space heater, shall each not exceed 500 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. These operating limits shall limit total CO and NOx emissions from the IC engines and the portable decontamination trailer to 14.0 and 2.69 tons per twelve (12) consecutive month period, respectively (emissions are calculated by using the emission factors for IC engines provided in Chapter 3 of the most recent edition of USEPA's AP-42). Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.3.2 Record Keeping Requirements

- (a) To document compliance with Condition D.3.1, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the CO and NOx emission limits established in Condition D.3.1.
- (1) The hours of operation each month for each of the IC engines and portable decontamination trailer; and

- (2) The 12 month rolling total of hours of operation for each of the IC engines and portable decontamination trailer.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.3 Quarterly Reporting

A quarterly summary to document compliance with operation condition number D.3.1 shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) agent neutralization process conducted in the Utility Building (UB) and the Process Auxiliary Building (PAB), including the following equipment:
- (1) five (5) Chemical Agent Treatment System (CHATS);
 - (2) two (2) drained agent holding tanks;
 - (3) two (2) agent reactors;
 - (4) ten (10) caustic wash tanks;
 - (5) eight (8) hydrolysate sampling tanks;
 - (6) three (3) hydrolysate storage tanks;
 - (7) five (5) spent decontamination tanks;
 - (8) one (1) truck loading/unloading station;
 - (9) one (1) Ton Container Line – Enhanced Steam Decontamination unit, rated at 12 ton containers per day.

Emissions from both buildings (UB and PAB) are controlled by carbon filters and exhaust through one (1) stack identified as S/V 101.

Above listed units are a part of Newport Chemical Agent Disposal Facility (NECDF) within Newport Chemical Depot (NECD).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.1 Volatile Organic Compounds (VOC) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, the concentration of VX in the exhaust gas, when emitting to the atmosphere, shall be limited to 0.06 micrograms per cubic meter.

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, the agent neutralization process shall process no more than six (6) ton containers per day. The total volatile organic compound (VOC) emissions from the neutralization process shall be limited to less than thirteen and seven tenths (13.7) pounds per ton container. This is equivalent to fifteen (15) tons of VOC per year. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 8-1-6 do not apply.

D.4.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.4.4 Carbon Adsorption Filters

The carbon adsorption filter banks, which are part of the neutralization process, shall be operated at all times when neutralization process is operating.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.4.5 Visible Checks for Leaks

- (a) Leak checks shall be performed once per shift during normal daylight when the neutralization process is operating. A trained employee shall record any detected leaks and the date of such leaks.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, checks shall be taken during that part of the operation that would normally be expected to cause the greatest potential for liquid leaks.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of liquid leaks for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.4.6 Record Keeping Requirements

- (a) To document compliance with Condition D.4.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.4.2.
 - (1) The number of ton containers processed each day in the neutralization process;
 - (2) The number of ton containers processed each day in the Ton Container Line - Enhanced Steam Decontamination unit; and
 - (3) A log of the dates of operation.
- (b) To document compliance with Condition D.4.5, the Permittee shall maintain records of once per shift visible leak checks of the agent neutralization process.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.7 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.2 shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, of this permit, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) The pollutant emitting activities related to the Operations and Maintenance (O&M) of the NECDF:
 - (1) operation of portable generators, welders, and air compressors;
 - (2) operation of other internal combustion (IC) engines; and
 - (3) miscellaneous operations, maintenance, or construction related fugitive and non-fugitive insignificant activities;
- (b) one (1) portable VacStar Vacuum/Pressure Wash Trailer containing one (1) 25 hp gasoline engine coupled to a vacuum pump, one (1) 9 hp gasoline engine coupled to a pressure pump, and one (1) 440,000 Btu/hour propane hot water heater, exhausting at one (1) collective stack identified as S/V 106;
- (c) one (1) portable enclosed emergency personnel decontamination trailer containing one (1) 7.4 kW diesel generator one (1) 380,000 Btu/hour diesel hot water generator, and one (1) 117,000 Btu/hour diesel comfort space heater, exhausting at one (1) collective stack identified as S/V 107.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.5.1 Sulfur Dioxide, Volatile Organic Compounds, Carbon Monoxide and Nitrogen Oxides [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, the following shall apply during the operation of the NECDF:

- (a) The emissions of SO₂, VOC, CO and NO_x due to the operation of generators, welders and other internal combustion (IC) engines (excluding mobile sources such as backhoes, bulldozers, and other construction equipment) related to the operations and maintenance shall not exceed 1, 2, 20 and 10 tons per twelve (12) consecutive month period, respectively.
- (b) The emissions of SO₂, VOC, CO and NO_x due to operation of the VacStar portable vacuum/power wash trailer shall not exceed 0.01, 0.4, 7.5 and 0.2 tons per twelve (12) consecutive month period, respectively.
- (c) The emissions of SO₂, VOC, CO and NO_x due to operation of the portable emergency personnel decontamination trailer shall not exceed 0.01, 0.02, 0.04 and 0.2 tons per twelve (12) consecutive month period, respectively.

Compliance with this condition shall limit total SO₂, VOC, CO and NO_x emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.5.2 Record Keeping Requirements

- (a) To document compliance with Condition D.5.1, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO₂, VOC, CO and NO_x emission limits established in Condition D.5.1.

- (1) The hours of operation for each month for each generator and internal combustion (IC) engine related to the operations and maintenance of the NECDF, the pressure wash trailer and personnel decontamination trailer;
 - (2) The type of fuel used for each generator and internal combustion (IC) engine related to the operations and maintenance of the NECDF, the pressure wash trailer and personnel decontamination trailer; and
 - (3) The monthly SO₂, VOC, CO and NO_x emissions, calculated by using emission factors for generators and IC engines provided in Chapter 3 of the most recent edition of USEPA's AP-42 emission factor document.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5.3 Quarterly Reporting

A quarterly summary of the information to document compliance with Condition D.5.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) one (1) natural gas fired boiler identified as Building 7700 Boiler rated at 2.51 million (MM) British thermal units per hr, constructed prior to September 21, 1983, and using #2 fuel oil as a backup, exhausting at one (1) stack.
- (b) Following operations, each with potential VOC emissions of less than 3 lb/hr and PM emissions of less than 5 lb/hr:
 - (1) two (2) walk-in paint booths, exhausting at two emission points;
 - (2) one (1) woodworking operation exhausting at one (1) emission point;
 - (3) one (1) mobile abrasive blaster rated at 107.1 pounds blast media;
 - (4) welding;
 - (5) fixed abrasive blaster; and
 - (6) one (1) oxyacetylene and stick welding station, with maximum wire consumption rate of 2.01 pounds per hour.
- (c) four (4) cold cleaning degreasing units in buildings 716A and 717A, installed in 1988, using less than 145 gallons of solvent per year.
- (d) the following equipment to be temporarily installed and operated at the existing source:
 - (1) internal combustion engines:
 - (A) non-emergency generators;
 - (B) pressure washers;
 - (C) air compressors;
 - (D) welders;
 - (E) winches;
 - (F) water pumps;
 - (G) cutting torches; and
 - (H) emergency lights.
 - (2) above ground storage tanks with storage capacity less than 10,500 gallons;
 - (3) heaters;
 - (4) smoke bombs.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.6.1 Particulate Matter (PM) [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the 2.51 MMBtu per hour heat input boiler shall be limited to 0.6 pounds per MMBtu heat input.

D.6.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable PM emission rate from the PM emitting units listed under item (b) of Section D.6 shall not exceed the allowable PM emission rate based on the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.6.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements; and
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

Equipment to be Temporarily Installed

D.6.4 Particulate Matter (PM-10), Sulfur Dioxide (SO₂), Volatile Organic Compounds (VOC), Carbon Monoxide (CO) and Nitrogen Oxides (NO_x) [326 IAC 2-8-4][326 IAC 2-2]

The emissions of each of PM-10, SO₂, VOC, CO and NO_x due to the operation of the equipment covered in Item (d) of this section shall be limited to 8 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with this condition shall limit total PM-10, SO₂, VOC, CO and NO_x emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

D.6.5 Tank Storage Capacities [40 CFR 60, Subpart Kb]

The storage tanks to be temporarily installed and operated at the existing source shall have individual storage capacities of less than 10,500 gallons (40 cubic meter (m³)). Therefore, the requirements of New Source Performance Standards, Subpart Kb (326 IAC 12 and 40 CFR 60.110b - 60.117b), do not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.6.6 Record Keeping Requirements

To document compliance with Condition D.6.4, the Permittee shall maintain records at the source of the information necessary for determining the emissions of PM-10, SO₂, VOC, CO and NO_x, due to the equipment brought to the source temporarily. The records shall contain a minimum of the following:

- (a) The hours of operation for each month for the equipment covered;
- (b) The rated capacity and type of fuel used for internal combustion (IC) engines and heaters, and storage capacity, dimensions and material type and throughput for storage tanks;
- (c) The monthly PM-10, SO₂, VOC, CO and NO_x emissions, calculated by using emission factors for IC engines, storage tanks and heaters provided in the most recent edition of USEPA's AP-42 emission factor document.

D.6.7 Quarterly Reporting

A quarterly summary to document compliance with operation Condition D.6.4 shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Newport Chemical Depot (NECD)
Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
FESOP No.: F165-14084-00003

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Newport Chemical Depot (NECD)
Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
FESOP No.: F165-14084-00003

This form consists of 2 pages

Page 1 of 2

This is an emergency as defined in 326 IAC 2-7-1(12)
 The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-0178 or 317-233-6865, ask for Compliance Section); and
 The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:
Title / Position:
Date:
Phone:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Newport Chemical Depot (NECD)
Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
FESOP No.: F165-14084-00003

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Report period

Beginning: _____

Ending: _____

<u>Boiler Affected</u>	<u>Alternate Fuel</u>	<u>Days burning alternate fuel</u>	
		<u>From</u>	<u>To</u>

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Newport Chemical Depot (NECD)
 Source Address: Indiana State Road 63, Newport, Indiana 47966-0121
 FESOP No.: F165-14084-00003
 Facility: Non-emergency Generators (Section D.1)
 Parameter: Generator Operating Hours
 Limit: The operation of each of the non-emergency generators, pressure washer, air compressors and welder identified as NS-WEL-3, shall not exceed 360 hours, the 155 kW generator exhausting through SV 20 shall not exceed 500 hours, the 9 hp generators exhausting to SV 64 and 65 shall each not exceed 180 hours, and the 62 HP diesel fired generator exhausting at stack SV 63 shall not exceed 2000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR _____

Non-Emergency Generator	Month:			Month:			Month:		
	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>
(1) - 6 KW									
(2) - 6 KW									
(3) - 6 KW									
(4) - 155 kW									
(5) - 4 KW									
(6) - 7.5 KW									
(7) - 7.5 KW									
(8) - 62 hp									
(9) - 20 hp									
(10) - 11 hp									
(11) - 16 hp									
(12) - 152 hp									
(13) - 47.7 hp									
(14) - 47.7 hp									
(15) - 47.7 hp									
(16) - 9 hp									
(17) - 9 hp									

No deviation occurred in this month.
 Deviation/s occurred in this month.
 Deviation has been reported on:

Submitted by:
 Title/Position:
 Signature:
 Date:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Newport Chemical Depot (NECD)
 Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
 Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
 FESOP No.: F165-14084-00003
 Facility: Emergency type generators (Section D.2)
 Parameter: CO and NOx

Limit: Operation of each of the emergency generators shall not exceed 500 hours, except for the generators identified as, NS-GN-9, NS-GN-10 which shall each be limited to 200 hours, and the generator identified as NS-GEN-8 which shall be limited to 780 hours, per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR _____

Emergency Generator	Month:			Month:			Month:		
	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>
(1) - 250 kW									
(2) - 155 kW									
(3) - 250 kW									
(4) - 250 kW									
(5) - 255 kW									
(6) - 125 kW									
(7) - 125 kW									
(8) - 25 kW									
(9) - 125 kW									
(10) - 12 kW									
(11) - 12 kW									
(12) - 350 kW									
(13) - 126 hp									
(14) - 179 hp									
(15) - 179 hp									
(16) - 179 hp									
(17) - 250 kW									
(18) - 2,250 kW									
(19) - 2,250 kW									
(20) - 265 hp									

No deviation occurred in this month.
 Deviation/s occurred in this month.
 Deviation has been reported on:

Submitted by:
 Title/Position:
 Signature:
 Date:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Newport Chemical Depot (NECD)
 Source Address: Indiana State Road 63, Newport, Indiana 47966-0121
 FESOP No.: F165-14084-00003
 Facility: Pumps (internal combustion engines) – Section D.3
 Parameter: Generator Operating Hours
 Limit: Operation of each of the internal combustion (IC) engines shall not exceed 360 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. The operation of the 10.0 kW diesel generator, the 400,000 Btu/hr diesel hot water generator, and the 110,000 Btu/hr diesel space heater, shall each not exceed 500 hours, per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR _____

Internal Combustion Engine	Month:			Month:			Month:		
	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>	<u>Hour of Op. this month</u>	<u>Hour of Op. Prev. 11 months</u>	<u>Hour of Op. 12 mon. tot</u>
(1) – 20 hp									
(2) - 20 hp									
(3) - 20 hp									
(4) – 20 hp									
(5) - 20 hp									
(6) - 12 hp									
(7) – 10 hp									
(8) - 8 hp									
(9) - 7.5 hp									
(10) – 3.0 hp									
(11) - 5.5 hp									
(12) – 20 hp									
(13) – 10 hp									
(14) – 65 hp									
(15) - 55 hp									
(16) – 10.0 kW									
(17) – 400,000 Btu									
(18) – 110,000 Btu									

No deviation occurred in this month.
 Deviation/s occurred in this month.
 Deviation has been reported on:

Submitted by:
 Title/Position:
 Signature:
 Date:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
FESOP Monthly Report**

Source Name: Newport Chemical Depot (NECD)
Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
FESOP No.: F165-14084-00003
Facility: Agent Neutralization Process
Parameter: VOC
Limit: six (6) ton containers per day

Month: _____ **Year:** _____

Day	# of ton containers used	Day	# of ton containers used
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16			

No deviation occurred in this month.
Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by:
Title/Position:
Signature:
Date:
Phone:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION FESOP Quarterly Report

Source Name: Newport Chemical Depot (NECD)
 Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
 Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
 FESOP No.: F165-14084-00003
 Facility: (a) Generators and internal combustion (IC) engines related to the operations and maintenance of the NECDF;
 (b), portable wash trailer;
 (c) portable decontamination trailer. (Section D.5)
 Parameter: SO₂, VOC, CO and NO_x
 Limit: (a) 1, 2, 20 and 10 tons per 12 consecutive month period, respectively.
 (b) 0.01, 0.4, 7.5 and 0.2 tons per 12 consecutive month period, respectively.
 (c) 0.01, 0.02, 0.04 and 0.2 tons per 12 consecutive month period, respectively.

(Emissions shall be determined by using emission factors for generators and IC engines provided in Chapter 3 of the most recent edition of USEPA's AP-42)

YEAR:

Month	Equipment	Hours of Operation This Month	Type of Fuel Used	Emissions (tons/month)			
				SO ₂	VOC	CO	NO _x
Month 1	Generators						
	IC Engines						
	Wash Trailer						
	Decontamination Trailer						
	Total						
Month 2	Generators						
	IC Engines						
	Wash Trailer						
	Decontamination Trailer						
	Total						
Month 3	Generators						
	IC Engines						
	Wash Trailer						
	Decontamination Trailer						
	Total						

No deviation occurred in this month.

Deviation/s occurred in this month.
 Deviation has been reported on:

Submitted by:
 Title/Position:
 Signature:
 Date:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Newport Chemical Depot (NECD)
 Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
 Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
 FESOP No.: F165-14084-00003
 Facility: Equipment brought to the source temporarily (Section D.6)
 Parameter: PM-10, SO₂, VOC, CO and NO_x
 Limit: 8 tons per 12-consecutive month period with compliance determined at the end of each month, for each pollutant.

YEAR:

Unit ID.	Month:			Month:			Month:		
	<u>Emissions this month</u>	<u>Emissions prev. 11 months</u>	<u>12 mon. emission total</u>	<u>Emissions this month</u>	<u>Emissions prev. 11 months</u>	<u>12 mon. emission total</u>	<u>Emissions this month</u>	<u>Emissions prev. 11 months</u>	<u>12 mon. emission total</u>
<u>IC Engines</u>									
<u>Storage Tanks</u>									
<u>Heaters</u>									
<u>Total</u>									

No deviation occurred in this month.

Deviation/s occurred in this month.
 Deviation has been reported on:

Submitted by:
 Title/Position:
 Signature:
 Date:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Newport Chemical Depot (NECD)
Source Address: Indiana State Road 63, Newport, Indiana 47966-0160
Mailing Address: P. O. Box 160, Newport, Indiana 47966-0160
FESOP No.: F165-14084-00003

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

**Addendum to the
Technical Support Document for a
Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP)**

Source Background and Description

Source Name:	Newport Chemical Depot (NECD)
Source Location:	Indiana State Road 63, Newport, Indiana 47966
County:	Vermillion
SIC Code:	9711
Permit Revision No.:	165-19297-00003
Permit Reviewer:	Linda Quigley/EVP

On June 23, 2006, the Office of Air Quality (OAQ) had a notice published in the Daily Clintonian, Newport, Indiana, stating that Newport Chemical Depot (NECD) had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP) requesting the addition, removal, and changes to various equipment at their National Defense – Chemical Stockpile Storage Site operation. The notice also stated that OAQ proposed to issue a Significant Permit Revision for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On July 17, 2006, Newport Chemical Depot (NECD) submitted comments on the proposed revision. The comments and IDEM, OAQ's response to the comments are as follows (bolded language has been added and the language with a line through it has been deleted):

Comments 1 through 9:

It is requested the equipment be amended as designated in the table below:

	Reference in Permit	Operation	S/V	Units	Change
1	Section A.2(a)(7) Section D.1	Main Operation- Depot	63	Diesel, NS-GN-1 rated @ 67 hp, 2000 hours	Change from 67 hp to 62 hp
2	Section A.2(a)(12) Section D.1	Main Operation- Depot	95	Gasoline, NS-GN-5 rated at 125 hp	Change NS-GN-5 to NS- GN-6. Typo from previous permit 125 hp should be 152 hp
3	Section A.2(b)(11) Section D.2	Main Operation- Depot	202	Diesel, NS-GEN-8 rated at 126 hp	Change NS-GEN-8 to NS-GN-8
4	Section A.2(b)(11) Section D.2	Main Operation- Depot	205	NS-GN-11 rated @ 174 hp. Limited hours of operation at 200	Request change to 500 hours/twelve (12) consecutive month period.
5	Section A.2(b)(12), (13), and (15) Section D.2	Main Operation- Depot	203, 204, 205	Diesel, NS-GEN-9, 10, 11, each rated at 174 hp	Change from 174 hp to 179 hp
6	Section A.2(b)(12), (13), and (15) Section D.2	Main Operation- Depot	203, 204, 205	Diesel, NS-GEN-9, 10, 11, each rated at 174 hp	Change from GEN to GN for each generator.
7	Section A.2(b)(14)	Main Operation- Depot			Line number does not exist. Change (15) to (14)

	Reference in Permit	Operation	S/V	Units	Change
8	Change in Commander. Change in name on mailing address.	Other		Change of Command on July 18, 2006	Change from Scott D. Kimmell to Brian M. Lynch, Lieutenant Colonel effective July 18, 2006
9	Section A.2(e) and Section D.3(c)	Main Operation	103	6kW diesel generator	Change from 6kW to 10kW

Response to Comments:

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Changes to the emission calculations are located in the Addendum to Appendix A, pages one (1) through three (3).

Potential To Emit Before Controls for the Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

Pollutant	Potential To Emit (tons/year)
PM	40.23 10.43
PM-10	40.23 10.43
SO ₂	9.54 9.73
VOC	44.68 11.90
CO	30.99 31.59
NO _x	443.54 146.27
HAPs	Negl.

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Potential to Emit After Controls for the Modification

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units for the modification.

Process/facility	Potential to Emit (tons/year)						
	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
(3) emergency generators rated at 474 179 hp each, (1) emergency generator rated at 126 hp*	0.19 0.29	0.19 0.029	0.18 0.27	0.20 0.33	0.57 0.87	2.59 4.0	Negl.
(3) air compressors (1009 – 1011)	0.06	0.06	0.06	0.06	0.18	0.81	0.00
Decontamination Trailer (S/V 103)	0.11	0.11	0.10	0.14	0.34	1.61	0.00
(3) pumps rated at 20 hp each	0.03	0.03	0.03	0.03	0.06	0.33	0.00
Total Emissions of Revision	0.39 0.49	0.39 0.49	0.37 0.46	0.43 0.56	1.15 1.45	5.34 6.75	Negl.
Revised Source Wide Operations Total	5.82 5.88	13.82 13.88	17.30 17.35	30.62 30.79	80.84 83.14	89.39 90.21	<10 single <25 total

*Limited PTE based on the following: (3) emergency generators, rated at 474 179 hp each, limited to 200 hours per year, **200 hours per year and 500 hours per year, respectively each.** (1) emergency generator, rated at 126 hp, limited to 780 hours per year. Personal decontamination trailer - each unit limited to 500 hours per year. (3) air compressors, rated at 47.7 hp each, limited to 360 hours per year each. (3) pumps, rated at 20 hp each, limited to 360 hrs/yr each.

The following changes have been made to Sections A.1, A.2, D.1, D.2 and D.3:

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a National Defense - Chemical Stockpile Storage Site.

Responsible Official: ~~Scott D. Kimmel~~ **Brian M. Lynch**, Lieutenant Colonel
 Source Address: Indiana State Road 63, Newport, Indiana, 47966-0160
 Mailing Address: P.O. Box 160, Newport, Indiana, 47966-0160
 SIC Code: 9711
 County Location: Vermillion
 County Status: Attainment for all criteria pollutants
 Source Status: Federally Enforceable State Operating Permit (FESOP)
 Minor Source, under PSD Rules;
 Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source, which consists of the Main Operation and the Newport Chemical Agent Disposal Facility (NECDF), includes the following emission units and pollution control devices:

Main Operation:

- (a) The following non-emergency type generators, pressure washers, air compressors, and welder:

- (7) one (1) diesel-fired generator, with a maximum rated capacity of ~~67~~ **62** horsepower (hp), exhausting to one (1) stack (S/V 63);
 - (8) one (1) gasoline fired generator, identified as NS-GN-4, rated at 20 horsepower (hp), and exhausting at one (1) stack, identified as S/V 80;
 - (9) one (1) gasoline engine powered welder, identified as NS-WEL-3, rated at 11 hp, and exhausting at one (1) stack identified as S/V 84;
 - (10) one (1) gasoline engine powered high-pressure washer, identified as NS-PW-1, rated at 16 hp, exhausting at one (1) stack identified as S/V 86;
 - (11) Three (3) diesel fuel fired air compressors, identified as 1009, 1010, and 1011, respectively, each rated at 47.7 horsepower, and each exhausting to the atmosphere.
 - (12) one (1) gasoline fired generator, identified as ~~NS-GN-5~~ **NS-GN-6** rated at ~~425~~ **152** horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.
- (b) The following emergency type generators, and trailer (generator):
.....
- (11) One (1) diesel fuel fired generator, identified as NS-~~GENGN~~-8, rated at 126 horsepower and exhausting to stack S/V 202.
 - (12) One (1) diesel fuel fired generator, identified as NS-~~GENGN~~-9, rated at ~~474~~ **179** horsepower and exhausting to stack S/V 203.
 - (13) One (1) diesel fuel fired generator, identified as NS-~~GENGN~~-10, rated at ~~474~~-**179** horsepower and exhausting to stack S/V 204.
 - ~~(15)~~**(14)** One (1) diesel fuel fired generator, identified as NS-~~GENGN~~-11, rated at ~~474~~-**179** horsepower and exhausting to stack S/V 205.
-
- (e) One (1) portable enclosed emergency personnel decontamination trailer containing one (1) ~~6.0~~ **10.0** kW diesel generator, one (1) 400,000 input Btu/hr diesel hot water generator, and one (1) 110,000 output Btu/hour diesel comfort space heater, exhausting at one (1) collective stack, identified as S/V 103.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

The following non-emergency type generators, pressure washers, air compressors, and welder in main operation:

- (a) three (3) diesel generators individually rated at 6 kilowatts (kW), each exhausting at one (1) stack identified as S/V17, 18, and 19, respectively;
- (b) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 20;
- (c) one (1) gasoline generator rated at 4 kW, exhausting at one (1) stack identified as S/V 29;
- (d) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 33;
- (e) one (1) gasoline generator rated at 7.5 kW, exhausting at one (1) stack identified as S/V 59;
- (f) one (1) diesel-fired generator, with a maximum rated capacity of ~~67~~ **62** horsepower (hp), exhausting to one (1) stack (S/V 63);
- (g) one (1) gasoline fired generator, identified as NS-GN-4, rated at 20 horsepower (hp), and exhausting at one (1) stack, identified as S/V 80;
- (h) one (1) gasoline engine powered welder, identified as NS-WEL-3, rated at 11 hp, and exhausting at one (1) stack identified as S/V 84;
- (i) one (1) gasoline engine powered high-pressure washer, identified as NS-PW-1, rated at 16 hp, exhausting at one (1) stack identified as S/V 86;
- (j) one (1) gasoline fired generator, identified as NS-GN-~~5~~ **6** rated at 152 horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.
- (k) three (3) diesel fuel fired air compressors, identified as 1009, 1010, and 1011, respectively, each rated at 47.7 horsepower, and each exhausting to the atmosphere.
- (l) two (2) gasoline-fired generators, each with maximum rated capacity of 9 horsepower (hp), each exhausting to one (1) stack (S/V 64 and 65, respectively);

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the non-emergency generators, pressure washer, air compressors and welder identified as NS-WEL-3, shall not exceed 360 hours, the 155 kW generator exhausting through SV 20 shall not exceed 500 hours, the 9 hp generators exhausting to SV 64 and 65 shall each not exceed 180 hours, and the ~~67~~ **62** HP diesel fired generator exhausting at stack SV 63 shall not exceed 2000 hours per twelve (12) consecutive month period with compliance determined at the end of each month. This operating limit shall limit total CO and NOx emissions from the non-emergency generators, pressure washer, air compressors and welder to ~~47.32~~ **19.42** and ~~5.03~~ **4.93** tons per twelve (12) consecutive month period, respectively. Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Main Operation

The following emergency type generators, and trailer (generator):

- (a) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 21;
- (b) one (1) diesel generator rated at 155 kW, exhausting at one (1) stack identified as S/V 22;
- (c) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 23;
- (d) one (1) diesel generator rated at 250 kW, exhausting at one (1) stack identified as S/V 24;
- (e) one (1) diesel generator rated at 255 kW, exhausting at one (1) stack identified as S/V 25;
- (f) two (2) natural gas generators individually rated at 125 kW, each exhausting at one (1) stack identified as S/V 55 and S/V 56, respectively;
- (g) one (1) 941 PDS trailer (generator) rated at 25 kW, exhausting at one (1) stack identified as S/V 60;
- (h) one (1) diesel fuel fired generator, rated at 125 kW, exhausting at one (1) stack, identified as S/V 96;
- (i) two (2) diesel fuel fired generators, each rated at 12 kW, each exhausting at one (1) stack identified as S/V 97 and 98, respectively;
- (j) one (1) diesel fuel fired generator for Sprung Structure, identified as NS-GN-7, rated at 350 kW, to be installed in 2003, identified as S/V 99;
- (k) One (1) diesel fuel fired generator, identified as NS-~~GEN~~-GN-8, rated at 126 horsepower and exhausting to stack S/V 202.
- (l) One (1) diesel fuel fired generator, identified as NS-~~GEN~~-GN-9, rated at 474 **179** horsepower and exhausting to stack S/V 203.
- (m) One (1) diesel fuel fired generator, identified as NS-~~GEN~~-GN-10, rated at 474 **179** horsepower and exhausting to stack S/V 204.
- (n) One (1) diesel fuel fired generator, identified as NS-~~GEN~~-GN-11, rated at 474 **179** horsepower and exhausting to stack S/V 205.

NECDF

Four (4) emergency type generators:

- (a) one (1) #2 fuel oil fired generator rated at 250 kW, exhausting at one (1) stack identified as S/V 75;
- (b) two (2) #2 fuel oil fired generators, each rated at 2,250 kW, exhausting at one (1) stack identified as S/V 73; and
- (c) one (1) fire pump engine rated at 265 hp, exhausting at one (1) stack identified as S/V 102.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the emergency generators and trailer (generator) shall not exceed 500 hours, except for the generators identified as NS-~~GEN~~**GN-9 and NS-~~GEN~~**GN-10 and NS-~~GEN~~**GN-11 which shall each be limited to 200 hours, and the generator identified as NS-~~GEN~~**GN-8 which shall be limited to 780 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. This operating limit shall limit total CO and NOx emissions from the emergency generators and trailer (generator) to ~~13.99~~ **14.17** and ~~62.36~~ **63.22** tons per twelve (12) consecutive month period, respectively. Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.********

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Main Operation

- (a) The following gasoline pumps and diesel fuel pumps (internal combustion engines):
- (1) three (3) diesel fuel pumps, located in Building 733K and each rated at 20 horsepower (HP);
 - (2) one (1) gasoline pump, located in Building 717A and rated at 20 HP;
 - (3) one (1) gasoline pump, located in Building 739A and rated at 20 HP;
 - (4) one (1) gasoline pump, located in Building 739A and rated at 12 HP;
 - (5) one (1) gasoline pump, located in Building 725A and rated at 10 HP;
 - (6) one (1) gasoline pump, located in Building 739A and rated at 8 HP;
 - (7) one (1) gasoline pump, located in Building 710 and rated at 7.5 HP; and
 - (8) one (1) gasoline pump, located in Building 717A and rated at 3 HP;
- (b) The following maintenance units (internal combustion engines):
- (1) three (3) gasoline fired engines, located in Building 739A and each rated at 5.5, 20 and 10 HP, respectively;
 - (2) one (1) diesel fired engine, located in Building 725A and rated at 65 HP; and
 - (3) one (1) gasoline fired engine, located in Building 725A and rated at 55 HP.
- (c) One (1) portable enclosed emergency personnel decontamination trailer containing one (1) ~~6.0~~ **10.0** kW diesel generator, one (1) 400,000 input Btu/hr diesel hot water generator, and one (1) 110,000 output Btu/hour diesel comfort space heater, exhausting at one (1) collective stack, identified as S/V 103.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4, operation of each of the internal combustion (IC) engines shall not exceed 360 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. The operation of the ~~6.0~~ **10.0** kW diesel generator, the 400,000 Btu/hr diesel hot water generator, and the 110,000 Btu/hr diesel space heater, shall each not exceed 500 hours, per twelve (12) consecutive month period with compliance determined at the end of each month. These operating limits shall limit total CO and NOx emissions from the IC engines and the portable decontamination trailer to ~~43.99~~ **14.0** and ~~2.65~~ **2.69** tons per twelve (12) consecutive month period, respectively (emissions are calculated by using the emission factors for IC engines provided in Chapter 3 of the most recent edition of USEPA's AP-42). Compliance with this condition shall limit total CO and NOx emissions from the source to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 do not apply.

Upon further review, IDEM OAQ has made the following change:

On August 7, 2006, a temporary emergency rule took effect redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.

County Attainment Status

The source is located in Vermillion County.

Pollutant	Status
PM-10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

**Addendum to Appendix A: Potential Emissions Calculations
ALL Generators, Pumps, Air Compressors**

Company Name: Newport Chemical Depot (NECD)
Address, City IN Zip: Indiana State Road 63, Newport, Indiana 47966-0160
FESOP SPR#: F165-19297
Plt ID: 165-00003
Reviewer: Linda Quigley/EVP
Date: September 7, 2006

Emission Factors (g/kW-hr)				Pollutants (tons/yr)					
				PM	PM-10	SO2	NOx	VOC	CO
Industrial Diesel Fuel Generators (<= 600 hp)				1.340	1.340	1.250	18.800	1.530	4.060
Large Diesel Fuel Generators (> 600 hp)				0.426	0.426	2.459	14.592	0.429	3.344
Gasoline Generators				0.439	0.439	0.359	6.920	12.970	267.000
Natural Gas Generators				0.206	0.206	0.003	13.500	0.511	1.640
Potential to Emit in tons/yr (based on 8,760 hours operation)									
	Unit ID's	S/V ID	Total Capacity KW-hr	PM	PM-10	SO2	NOx	VOC	CO
Gasoline Generators	1941 (20 hp)	Bld. 717A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1923 (20 hp)	Bld. 739A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1916 (12 hp)	Bld. 739A	8.95	0.04	0.04	0.03	0.60	1.12	23.08
	1915 (10 hp)	Bld. 725A	7.46	0.03	0.03	0.03	0.50	0.93	19.24
	1914 (8 hp)	Bld. 739A	5.97	0.03	0.03	0.02	0.40	0.75	15.40
	1920 (7.5 hp)	Bld. 710	5.59	0.02	0.02	0.02	0.37	0.70	14.42
	1925 (3 hp)	Bld. 717A	2.24	0.01	0.01	0.01	0.15	0.28	5.78
	1550 (10 hp)	Bld. 739A	7.46	0.03	0.03	0.03	0.50	0.93	19.24
	1551 (20 hp)	Bld. 739A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1554 (5.5 hp)	Bld. 739A	4.10	0.02	0.02	0.01	0.27	0.51	10.58
	1993 (55 hp)	Bld. 725A	41.01	0.17	0.17	0.14	2.74	5.14	105.78
	1964	29	4.00	0.02	0.02	0.01	0.27	0.50	10.32
	1958	33	7.50	0.03	0.03	0.03	0.50	0.94	19.34
	1972	59	7.50	0.03	0.03	0.03	0.50	0.94	19.34
	NS-GN-2 (9 hp)	64	6.71	0.03	0.03	0.02	0.45	0.84	17.31
	NS-GN-3 (9 hp)	65	6.71	0.03	0.03	0.02	0.45	0.84	17.31
	NS-GN-4 (20 hp)	80	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	NE-WEL-3 (11 hp)	84	8.20	0.03	0.03	0.03	0.55	1.03	21.15
	NS-PW-1 (16 hp)	86	11.93	0.05	0.05	0.04	0.80	1.49	30.77
	NS-GN-5 GN-6 (125 152hp)	95	113.35	0.48	0.48	0.39	7.58	14.20	292.37
	VacStar (25 hp)	106	18.64	0.08	0.08	0.06	1.25	2.34	48.08
	VacStar (25 hp)	106	18.64	0.08	0.08	0.06	1.25	2.34	48.08
Natural Gas Generators	1951	55	125.00	0.25	0.25	0.00	16.30	0.62	1.98
	1952	56	125.00	0.25	0.25	0.00	16.30	0.62	1.98
	VacStar (440,000 Btu/hr)	106	128.95	0.26	0.26	0.00	16.82	0.64	2.04
Ind. Diesel Fuel Generator:	1983 (65 hp)	Bld. 725A	48.47	0.63	0.63	0.59	8.80	0.72	1.90
	1904 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1905 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1906 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1009 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1010 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1010 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1947	17	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1948	18	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1949	19	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1978	20	155.00	2.01	2.01	1.87	28.15	2.29	6.08
	NS-GN-1 (62 hp)	63	46.23	0.60	0.60	0.56	8.40	0.68	1.81
	NS-GEN GN-8 (126 hp)	202	93.96	1.22	1.22	1.13	17.06	1.39	3.69
	PDS	107	7.40	0.10	0.10	0.09	1.34	0.11	0.29
	PDS (380,000 Btu/hr)	107	111.37	1.44	1.44	1.34	20.23	1.65	4.37
	PDS (117,000 Btu/hr)	107	34.29	0.44	0.44	0.41	6.23	0.51	1.34
	PDS	103	10.00	0.13	0.13	0.12	1.82	0.15	0.39
	PDS (400,000 Btu/hr)	103	117.23	1.52	1.52	1.42	21.29	1.73	4.60
	PDS (110,000 Btu/hr)	103	32.24	0.42	0.42	0.39	5.86	0.48	1.26
	1973	21	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1975	22	155.00	2.01	2.01	1.87	28.15	2.29	6.08
	1976	23	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1979	24	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1971	25	255.00	3.30	3.30	3.08	46.31	3.77	10.00
	1974	60	25.00	0.32	0.32	0.30	4.54	0.37	0.98
	1955	96	125.00	1.62	1.62	1.51	22.70	1.85	4.90
	1954	97	12.00	0.16	0.16	0.14	2.18	0.18	0.47
	1956	98	12.00	0.16	0.16	0.14	2.18	0.18	0.47
	NS-GN-7	99	350.00	4.53	4.53	4.23	63.57	5.17	13.73
	1953	75	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1928 (265 hp)	102	197.60	2.56	2.56	2.39	35.89	2.92	7.75
	NS-GEN-GN-9(474 179hp)	203	133.48	1.73	1.73	1.61	24.24	1.97	5.24
	NS-GEN-GN-10(474 179hp)	204	133.48	1.73	1.73	1.61	24.24	1.97	5.24
	NS-GEN-GN-11(474 179hp)	205	133.48	1.73	1.73	1.61	24.24	1.97	5.24
Large Diesel Fuel Generators	NECDF	73	2250.00	9.25	9.25	53.46	317.17	9.32	72.68
	NECDF	73	2250.00	9.25	9.25	53.46	317.17	9.32	72.68
Potential to Emit in tons/yr (based on 8760 hours of operation)				64.19	64.19	148.67	1316.68	113.43	1174.48

Methodology

Emission Factors were obtained from AP-42, 5th edition.

Potential Emissions (ton/yr) = Equipment Capacity (kW-hr) x 8,760 hrs/yr x Emission Factor (g/kW-hr) x (1/453.4 (g/lb))x (1/2000) (ton/lb)

**Addendum to Appendix A: Potential Emissions Calculations
ALL Generators, Pumps, Air Compressors**

Company Name: Newport Chemical Depot (NECD)
Address, City IN Zip: Indiana State Road 63, Newport, Indiana 47966-0160
FESOP SPR#: F165-19297
Plt ID: 165-00003
Reviewer: Linda Quigley/EVP
Date: September 7, 2006

Emission Factors (g/kW-hr)				Pollutants (tons/yr)						Based on Limited Hours
				PM	PM-10	SO2	NOx	VOC	CO	
Industrial Diesel Fuel Generators (<= 600 hp)				1.340	1.340	1.250	18.800	1.530	4.060	
Large Diesel Fuel Generators (> 600 hp)				0.426	0.426	2.459	14.592	0.429	3.344	
Gasoline Generators				0.439	0.439	0.359	6.920	12.970	267.000	
Natural Gas Generators				0.206	0.206	0.003	13.500	0.511	1.640	
Limited Potential to Emit in tons/yr (based on limited hours operation)				PM	PM-10	SO2	NOx	VOC	CO	
			Total Capacity							
Unit ID's	S/V ID	kW-hr								
Gasoline Generators										
1941 (20 hp)	Bld. 717A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360	
1923 (20 hp)	Bld. 739A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360	
1916 (12 hp)	Bld. 739A	8.95	0.00	0.00	0.00	0.02	0.05	0.95	360	
1915 (10 hp)	Bld. 725A	7.46	0.00	0.00	0.00	0.02	0.04	0.79	360	
1914 (8 hp)	Bld. 739A	5.97	0.00	0.00	0.00	0.02	0.03	0.63	360	
1920 (7.5 hp)	Bld. 710	5.59	0.00	0.00	0.00	0.02	0.03	0.59	360	
1925 (3 hp)	Bld. 717A	2.24	0.00	0.00	0.00	0.01	0.01	0.24	360	
1550 (10 hp)	Bld. 739A	7.46	0.00	0.00	0.00	0.02	0.04	0.79	360	
1551 (20 hp)	Bld. 739A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360	
1554 (5.5 hp)	Bld. 739A	4.10	0.00	0.00	0.00	0.01	0.02	0.43	360	
1993 (55 hp)	Bld. 725A	41.01	0.01	0.01	0.01	0.11	0.21	4.35	360	
1964	29	4.00	0.00	0.00	0.00	0.01	0.02	0.42	360	
1958	33	7.50	0.00	0.00	0.00	0.02	0.04	0.79	360	
1972	59	7.50	0.00	0.00	0.00	0.02	0.04	0.79	360	
NS-GN-2 (9 hp)	64	6.71	0.00	0.00	0.00	0.01	0.02	0.36	180	
NS-GN-3 (9 hp)	65	6.71	0.00	0.00	0.00	0.01	0.02	0.36	180	
NS-GN-4 (20 hp)	80	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360	
NE-WEL-3 (11 hp)	84	8.20	0.00	0.00	0.00	0.02	0.04	0.87	360	
NS-PW-1 (16 hp)	86	11.93	0.00	0.00	0.00	0.03	0.06	1.26	360	
NS-GN-5 GN-6 (125 152hp)	95	113.35	0.02	0.02	0.02	0.31	0.58	12.02	360	
VacStar (25 hp)	106	18.64	0.08	0.08	0.01	0.20	0.40	7.50		S/V 106 emission limit
VacStar (25 hp)	106	18.64	0.08	0.08	*	*	*	*		
Natural Gas Generators										
1951	55	125.00	0.01	0.01	0.00	0.93	0.04	0.11	500	
1952	56	125.00	0.01	0.01	0.00	0.93	0.04	0.11	500	
VacStar (440,000 Btu/hr)	106	128.95	0.26	0.26	*	*	*	*		
Ind. Diesel Fuel Generator:										
1983 (65 hp)	Bld. 725A	48.47	0.03	0.03	0.02	0.36	0.03	0.08	360	
1904 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360	
1905 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360	
1906 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360	
1009 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360	
1010 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360	
1010 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360	
1947	17	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360	
1948	18	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360	
1949	19	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360	
1978	20	155.00	0.11	0.11	0.11	1.61	0.13	0.35	500	
NS-GN-1 (67 hp) (62 hp)	63	46.23	0.14	0.14	0.13	1.92	0.16	0.41	2000	
NS-GEN GN-8 (126 hp)	202	93.96	0.11	0.11	0.10	1.52	0.12	0.33	780	
PDS	107	7.40	0.10	0.10	0.01	0.20	0.02	0.04		S/V 107 emission limit
PDS (380,000 Btu/hr)	107	111.37	1.44	1.44	*	*	*	*		
PDS (117,000 Btu/hr)	107	34.29	0.44	0.44	*	*	*	*		
PDS	103	10.00	0.01	0.01	0.01	0.10	0.01	0.02	500	
PDS (400,000 Btu/hr)	103	117.23	0.09	0.09	0.08	1.22	0.10	0.26	500	
PDS (110,000 Btu/hr)	103	32.24	0.02	0.02	0.02	0.33	0.03	0.07	500	
1973	21	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500	
1975	22	155.00	0.11	0.11	0.11	1.61	0.13	0.35	500	
1976	23	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500	
1979	24	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500	
1971	25	255.00	0.19	0.19	0.18	2.64	0.22	0.57	500	
1974	60	25.00	0.02	0.02	0.02	0.26	0.02	0.06	500	
1955	96	125.00	0.09	0.09	0.09	1.30	0.11	0.28	500	
1954	97	12.00	0.01	0.01	0.01	0.12	0.01	0.03	500	
1956	98	12.00	0.01	0.01	0.01	0.12	0.01	0.03	500	
NS-GN-7	99	350.00	0.26	0.26	0.24	3.63	0.30	0.78	500	
1953	75	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500	
1928 (265 hp)	102	197.60	0.15	0.15	0.14	2.05	0.17	0.44	500	
NS-GEN-GN-9(474 179hp)	203	133.48	0.04	0.04	0.04	0.55	0.05	0.12	200	
NS-GEN-GN-10(474 179hp)	204	133.48	0.04	0.04	0.04	0.55	0.05	0.12	200	
NS-GEN-GN-11(474 179hp)	205	133.48	0.10	0.10	0.09	1.38	0.11	0.30	500	
Large Diesel Fuel Generators										
NECDF (2250 Kw)	73	2250.00	0.53	0.53	3.05	18.10	0.53	4.15	500	
NECDF (2250 Kw)	73	2250.00	0.53	0.53	3.05	18.10	0.53	4.15	500	
Operations and Maintenance			fugitive			1.00	10.00	2.00	20.00	*emission limit
Temporary Equipment						8.00	8.00	8.00	8.00	*emission limit
NECDF VOC emission limit								15.00		*emission limit
Limited Potential to Emit in tons/yr (based on limited hours of operation)				5.88	13.88	17.35	90.21	30.79	83.14	

Methodology

Emission Factors were obtained from AP-42, 5th edition.

Limited Emissions (ton/yr) = Equipment Capacity (kW-hr) x limited hrs/yr x Emission Factor (g/kW-hr) x (1/453.4 (g/lb))x (1/2000) (ton/lb)

*asterisk denotes the following:

Vacstar generators, exhausting to one common stack (S/V 106), have combined emission limit.

Personnel Decontamination Trailer (PDS) generators exhausting to one common stack (S/V 107), have combined emission limit.

Appendix A: Potential Emissions Calculations
ALL Generators, Pumps, Air Compressors

Company Name: Newport Chemical Depot (NECD)
Address, City IN Zip: Indiana State Road 63, Newport, Indiana 47966-0160
FESOP SPR#: F165-19297
Plt ID: 165-00003
Reviewer: Linda Quigley/EVP
Date: April 24, 2006

Emission Factors (g/kW-hr)	Pollutants (tons/yr)								
	PM	PM-10	SO2	NOx	VOC	CO			
Industrial Diesel Fuel Generators (<= 600 hp)	1.340	1.340	1.250	18.800	1.530	4.060			
Large Diesel Fuel Generators (> 600 hp)	0.426	0.426	2.459	14.592	0.429	3.344			
Gasoline Generators	0.439	0.439	0.359	6.920	12.970	267.000			
Natural Gas Generators	0.206	0.206	0.003	13.500	0.511	1.640			
Potential to Emit in tons/yr (based on 8,760 hours operation)									
	Unit ID's	S/V ID	Total Capacity KW-hr	PM	PM-10	SO2	NOx	VOC	CO
Gasoline Generators	1941 (20 hp)	Bld. 717A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1923 (20 hp)	Bld. 739A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1916 (12 hp)	Bld. 739A	8.95	0.04	0.04	0.03	0.60	1.12	23.08
	1915 (10 hp)	Bld. 725A	7.46	0.03	0.03	0.03	0.50	0.93	19.24
	1914 (8 hp)	Bld. 739A	5.97	0.03	0.03	0.02	0.40	0.75	15.40
	1920 (7.5 hp)	Bld. 710	5.59	0.02	0.02	0.02	0.37	0.70	14.42
	1925 (3 hp)	Bld. 717A	2.24	0.01	0.01	0.01	0.15	0.28	5.78
	1550 (10 hp)	Bld. 739A	7.46	0.03	0.03	0.03	0.50	0.93	19.24
	1551 (20 hp)	Bld. 739A	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	1554 (5.5 hp)	Bld. 739A	4.10	0.02	0.02	0.01	0.27	0.51	10.58
	1993 (55 hp)	Bld. 725A	41.01	0.17	0.17	0.14	2.74	5.14	105.78
	1964	29	4.00	0.02	0.02	0.01	0.27	0.50	10.32
	1958	33	7.50	0.03	0.03	0.03	0.50	0.94	19.34
	1972	59	7.50	0.03	0.03	0.03	0.50	0.94	19.34
	NS-GN-2 (9 hp)	64	6.71	0.03	0.03	0.02	0.45	0.84	17.31
	NS-GN-3 (9 hp)	65	6.71	0.03	0.03	0.02	0.45	0.84	17.31
	NS-GN-4 (20 hp)	80	14.91	0.06	0.06	0.05	1.00	1.87	38.46
	NE-WEL-3 (11 hp)	84	8.20	0.03	0.03	0.03	0.55	1.03	21.15
	NS-PW-1 (16 hp)	86	11.93	0.05	0.05	0.04	0.80	1.49	30.77
	NS-GN-5 (125 hp)	95	93.21	0.40	0.40	0.32	6.23	11.68	240.42
	VacStar (25 hp)	106	18.64	0.08	0.08	0.06	1.25	2.34	48.08
	VacStar (25 hp)	106	18.64	0.08	0.08	0.06	1.25	2.34	48.08
Natural Gas Generators	1951	55	125.00	0.25	0.25	0.00	16.30	0.62	1.98
	1952	56	125.00	0.25	0.25	0.00	16.30	0.62	1.98
	VacStar (440,000 Btu/hr)	106	128.95	0.26	0.26	0.00	16.82	0.64	2.04
Ind. Diesel Fuel Generators	1983 (65 hp)	Bld. 725A	48.47	0.63	0.63	0.59	8.80	0.72	1.90
	1904 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1905 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1906 (20 hp)	Bld. 733K	14.91	0.19	0.19	0.18	2.71	0.22	0.58
	1009 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1010 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1010 (47.7 hp)	n/a	35.60	0.46	0.46	0.43	6.47	0.53	1.40
	1947	17	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1948	18	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1949	19	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	1978	20	155.00	2.01	2.01	1.87	28.15	2.29	6.08
	NS-GN-1 (67 hp)	63	49.96	0.65	0.65	0.60	9.07	0.74	1.96
	NS-GN-8 (126 hp)	202	93.96	1.22	1.22	1.13	17.06	1.39	3.69
	PDS	107	7.40	0.10	0.10	0.09	1.34	0.11	0.29
	PDS (380,000 Btu/hr)	107	111.37	1.44	1.44	1.34	20.23	1.65	4.37
	PDS (117,000 Btu/hr)	107	34.29	0.44	0.44	0.41	6.23	0.51	1.34
	PDS	103	6.00	0.08	0.08	0.07	1.09	0.09	0.24
	PDS (400,000 Btu/hr)	103	117.23	1.52	1.52	1.42	21.29	1.73	4.60
	PDS (110,000 Btu/hr)	103	32.24	0.42	0.42	0.39	5.86	0.48	1.26
	1973	21	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1975	22	155.00	2.01	2.01	1.87	28.15	2.29	6.08
	1976	23	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1979	24	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1971	25	255.00	3.30	3.30	3.08	46.31	3.77	10.00
	1974	60	25.00	0.32	0.32	0.30	4.54	0.37	0.98
	1955	96	125.00	1.62	1.62	1.51	22.70	1.85	4.90
	1954	97	12.00	0.16	0.16	0.14	2.18	0.18	0.47
	1956	98	12.00	0.16	0.16	0.14	2.18	0.18	0.47
	NS-GN-7	99	350.00	4.53	4.53	4.23	63.57	5.17	13.73
	1953	75	250.00	3.24	3.24	3.02	45.40	3.70	9.81
	1928 (265 hp)	102	197.60	2.56	2.56	2.39	35.89	2.92	7.75
	NS-GN-9 (174 hp)	203	129.75	1.68	1.68	1.57	23.56	1.92	5.09
	NS-GN-10 (174 hp)	204	129.75	1.68	1.68	1.57	23.56	1.92	5.09
	NS-GN-11 (174 hp)	205	129.75	1.68	1.68	1.57	23.56	1.92	5.09
Large Diesel Fuel Generators	NECDF	73	2250.00	9.25	9.25	53.46	317.17	9.32	72.68
	NECDF	73	2250.00	9.25	9.25	53.46	317.17	9.32	72.68
Potential to Emit in tons/yr (based on 8760 hours of operation)				63.95	63.95	148.46	1313.25	110.74	1122.08

Methodology

Emission Factors were obtained from AP-42, 5th edition.

Potential Emissions (ton/yr) = Equipment Capacity (kW-hr) x 8,760 hrs/yr x Emission Factor (g/kW-hr) x (1/453.4 (g/lb))x (1/2000) (ton/lb)

Appendix A: Potential Emissions Calculations
ALL Generators, Pumps, Air Compressors

Company Name: **Newport Chemical Depot (NECD)**
 Address, City IN Zip: **Indiana State Road 63, Newport, Indiana 47966-0160**
 FESOP SPR#: **F165-19297**
 Plt ID: **165-00003**
 Reviewer: **Linda Quigley/EVP**
 Date: **April 24, 2006**

Emission Factors (g/kW-hr)				Pollutants (tons/yr)						Based on Limited Hours
				PM	PM-10	SO2	NOx	VOC	CO	
Industrial Diesel Fuel Generators (<= 600 hp)			1.340	1.340	1.250	18.800	1.530	4.060		
Large Diesel Fuel Generators (> 600 hp)			0.426	0.426	2.459	14.592	0.429	3.344		
Gasoline Generators			0.439	0.439	0.359	6.920	12.970	267.000		
Natural Gas Generators			0.206	0.206	0.003	13.500	0.511	1.640		
Limited Potential to Emit in tons/yr (based on limited hours operation)										
	Unit ID's	S/V ID	Total Capacity kW-hr	PM	PM-10	SO2	NOx	VOC	CO	
Gasoline Generators	1941 (20 hp)	Bld. 717A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360
	1923 (20 hp)	Bld. 739A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360
	1916 (12 hp)	Bld. 739A	8.95	0.00	0.00	0.00	0.02	0.05	0.95	360
	1915 (10 hp)	Bld. 725A	7.46	0.00	0.00	0.00	0.02	0.04	0.79	360
	1914 (8 hp)	Bld. 739A	5.97	0.00	0.00	0.00	0.02	0.03	0.63	360
	1920 (7.5 hp)	Bld. 710	5.59	0.00	0.00	0.00	0.02	0.03	0.59	360
	1925 (3 hp)	Bld. 717A	2.24	0.00	0.00	0.00	0.01	0.01	0.24	360
	1550 (10 hp)	Bld. 739A	7.46	0.00	0.00	0.00	0.02	0.04	0.79	360
	1551 (20 hp)	Bld. 739A	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360
	1554 (5.5 hp)	Bld. 739A	4.10	0.00	0.00	0.00	0.01	0.02	0.43	360
	1993 (55 hp)	Bld. 725A	41.01	0.01	0.01	0.01	0.11	0.21	4.35	360
	1964	29	4.00	0.00	0.00	0.00	0.01	0.02	0.42	360
	1958	33	7.50	0.00	0.00	0.00	0.02	0.04	0.79	360
	1972	59	7.50	0.00	0.00	0.00	0.02	0.04	0.79	360
	NS-GN-2 (9 hp)	64	6.71	0.00	0.00	0.00	0.01	0.02	0.36	180
	NS-GN-3 (9 hp)	65	6.71	0.00	0.00	0.00	0.01	0.02	0.36	180
	NS-GN-4 (20 hp)	80	14.91	0.00	0.00	0.00	0.04	0.08	1.58	360
	NE-WEL-3 (11 hp)	84	8.20	0.00	0.00	0.00	0.02	0.04	0.87	360
	NS-PW-1 (16 hp)	86	11.93	0.00	0.00	0.00	0.03	0.06	1.26	360
	NS-GN-5 (125 hp)	95	93.21	0.02	0.02	0.01	0.26	0.48	9.88	360
	VacStar (25 hp)	106	18.64	0.08	0.08	0.01	0.20	0.40	7.50	S/V 106 emission limit
VacStar (25 hp)	106	18.64	0.08	0.08	*	*	*	*	*	
Natural Gas Generators	1951	55	125.00	0.01	0.01	0.00	0.93	0.04	0.11	500
	1952	56	125.00	0.01	0.01	0.00	0.93	0.04	0.11	500
	VacStar (440,000 Btu/hr)	106	128.95	0.26	0.26	*	*	*	*	*
Ind. Diesel Fuel Generators	1983 (65 hp)	Bld. 725A	48.47	0.03	0.03	0.02	0.36	0.03	0.08	360
	1904 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360
	1905 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360
	1906 (20 hp)	Bld. 733K	14.91	0.01	0.01	0.01	0.11	0.01	0.02	360
	1009 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360
	1010 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360
	1010 (47.7 hp)	n/a	35.60	0.02	0.02	0.02	0.27	0.02	0.06	360
	1947	17	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360
	1948	18	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360
	1949	19	6.00	0.00	0.00	0.00	0.04	0.00	0.01	360
	1978	20	155.00	0.11	0.11	0.11	1.61	0.13	0.35	500
	NS-GN-1 (67 hp)	63	49.96	0.15	0.15	0.14	2.07	0.17	0.45	2000
	NS-GEN-8 (126 hp)	202	93.96	0.11	0.11	0.10	1.52	0.12	0.33	780
	PDS	107	7.40	0.10	0.10	0.01	0.20	0.02	0.04	S/V 107 emission limit
	PDS (380,000 Btu/hr)	107	111.37	1.44	1.44	*	*	*	*	*
	PDS (117,000 Btu/hr)	107	34.29	0.44	0.44	*	*	*	*	*
	PDS	103	6.00	0.00	0.00	0.00	0.06	0.01	0.01	500
	PDS (400,000 Btu/hr)	103	117.23	0.09	0.09	0.08	1.22	0.10	0.26	500
	PDS (110,000 Btu/hr)	103	32.24	0.02	0.02	0.02	0.33	0.03	0.07	500
	1973	21	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500
	1975	22	155.00	0.11	0.11	0.11	1.61	0.13	0.35	500
	1976	23	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500
	1979	24	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500
	1971	25	255.00	0.19	0.19	0.18	2.64	0.22	0.57	500
	1974	60	25.00	0.02	0.02	0.02	0.26	0.02	0.06	500
	1955	96	125.00	0.09	0.09	0.09	1.30	0.11	0.28	500
	1954	97	12.00	0.01	0.01	0.01	0.12	0.01	0.03	500
	1956	98	12.00	0.01	0.01	0.01	0.12	0.01	0.03	500
	NS-GN-7	99	350.00	0.26	0.26	0.24	3.63	0.30	0.78	500
	1953	75	250.00	0.18	0.18	0.17	2.59	0.21	0.56	500
	1928 (265 hp)	102	197.60	0.15	0.15	0.14	2.05	0.17	0.44	500
	NS-GEN-9 (174 hp)	203	129.75	0.04	0.04	0.04	0.54	0.04	0.12	200
	NS-GEN-10 (174 hp)	204	129.75	0.04	0.04	0.04	0.54	0.04	0.12	200
NS-GEN-11 (174 hp)	205	129.75	0.04	0.04	0.04	0.54	0.04	0.12	200	
Large Diesel Fuel Generators	NECDF (2250 Kw)	73	2250.00	0.53	0.53	3.05	18.10	0.53	4.15	500
	NECDF (2250 Kw)	73	2250.00	0.53	0.53	3.05	18.10	0.53	4.15	500
Operations and Maintenance fugitive						1.00	10.00	2.00	20.00	*emission limit
Temporary Equipment					8.00	8.00	8.00	8.00	8.00	*emission limit
NECDF VOC emission limit								15.00		*emission limit
Limited Potential to Emit in tons/yr (based on limited hours of operation)				5.82	13.82	17.30	89.39	30.62	80.84	

Methodology

Emission Factors were obtained from AP-42, 5th edition.

Limited Emissions (ton/yr) = Equipment Capacity (kW-hr) x limited hrs/yr x Emission Factor (g/kW-hr) x (1/453.4 (g/lb))x (1/2000) (ton/lb)

*asterisk denotes the following:

Vacstar generators, exhausting to one common stack (S/V 106), have combined emission limit.

Personnel Decontamination Trailer (PDS) generators exhausting to one common stack (S/V 107), have combined emission limit.