INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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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: April 19, 2006

RE: Newport Chemical Depot / 165-22789-00003

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 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 4-21.5-3-7 and IC 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) 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.

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Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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
FNTV-PMOD.doc 03/23/06

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Scott D. Kimmell, Lieutenant Colonel
Newport Chemical Depot (NECD)
P.O. Box 160
Newport, Indiana 47966-0160

April 19, 2006

Re: 165-22789
First Minor Revision to
FESOP 165-14084-00003

Dear Lieutenant Colonel Kimmell:

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 March 13, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1 a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The revision includes an increase in the neutralization process volatile organic compound (VOC) emissions limit. The revision does not change the limit on emissions of VX gas.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor 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

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL 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.

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	Issuance Date: January 8, 2003
First Administrative Amendment: 165-16708	Issuance Date: March 19, 2003
Second Administrative Amendment: 165-18375	Issuance Date: January 13, 2004
Third Administrative Amendment: 165-18780	Issuance Date: May 18, 2004
Second Significant Permit Revision: 165-20258	Issuance Date: June 27, 2005
First Minor Permit Revision: 165-22789-00003	Pages Affected: 36, 37, 53
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: April 19, 2006 Expiration Date: July 12, 2007

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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:	Scott D. Kimmell, 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) fifteen (15) non-emergency type generators:

(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 air compressor, with maximum heat input capacity of 80 horsepower (hp), exhausting to one (1) stack, identified as S/V 66;

(8) one (1) diesel-fired generator, with a maximum rated capacity of 67 horsepower (hp), exhausting to one (1) stack (S/V 63);

(9) 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;

(10) 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;

(11) 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; and

(12) one (1) gasoline fired generator, identified as NS-GN-x rated at 152 horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.

(b) fourteen (14) emergency type generators:

(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 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, rated at 350 kW, to be installed in 2003, identified as S/V 99;

(11) two (2) diesel fuel fired generators, each rated at 30 kW, each exhausting at one (1) stack identified as S/V 103 and 104, respectively.

(c) ten (10) gasoline pumps (internal combustion engines):

(1) three (3) pumps, located in Building 733K and each rated at 20 horsepower (HP);

(2) one (1) pump, located in Building 717A and rated at 20 HP;

(3) one (1) pump, located in Building 739A and rated at 20 HP;

(4) one (1) pump, located in Building 739A and rated at 12 HP;

(5) one (1) pump, located in Building 725A and rated at 10 HP;

(6) one (1) pump, located in Building 739A and rated at 8 HP;

(7) one (1) pump, located in Building 710 and rated at 7.5 HP; and

(8) one (1) pump, located in Building 717A and rated at 3 HP;

(d) five (5) 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;

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)(l)]

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;

(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 of 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) one (1) diesel fired heater, rated at 0.406 million British thermal units (MMBtu) per hour, exhausting at one (1) stack, identified as S/V 87;

(cc) 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;

(dd) 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;

(ee) 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;

(ff) one (1) 1,000 gallon diesel above ground storage tank (AST), identified as TVA;

(gg) Eight (8) #2 fuel oil tanks located within NECDF:
- (1) Two (2) 10,000 gallon storage tanks, identified as M-3201A and M-3201B, respectively.
- (2) Three (3) 500 gallon tanks, identified as M-3202A, M3202B and Lab SDG, 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.

(hh) 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.

(ii) 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).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

- (1) incorporated as originally stated,
- (2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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.

B.2 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.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the original date, 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.

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 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.6 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.7 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.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

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

The submittal by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) 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 or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

(c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17. 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.9 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.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) 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.

(c) 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.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 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. All 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 require 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.13 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 maintain and implement 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) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) 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 contributes to any violation. The PMP does not require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept 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.14 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.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

Failure to notify IDEM, OAQ, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

(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) 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, OAQ 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.

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 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.

(c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

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(a), 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) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) 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.

(2) If IDEM, OAQ upon receiving a timely and complete 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.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
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, OAQ 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 should 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]

(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 emissions allowable under 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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to 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), (c)(1), and (d).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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.

(c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in 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).

(d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
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.

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]

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) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) 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 2-8-11(b)(3)]

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

(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-–4320 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

(a) The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions 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)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour 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 make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;

(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) 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 that the source's potential to emit does not exceed the above specified limits.

(c) 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 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.

C.8 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 14-10-4 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) 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 that the inspector be accredited is federally enforceable.

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

C.9 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 source 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.10 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. 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.11 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 upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. 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.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed 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.

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 ninety (90) days from the date of issuance of this permit.

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

All documents submitted pursuant to this condition shall include the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

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 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 data, reports and support information 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 kept 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 IAC2-1.1-1(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 Data Section, 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, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years.

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)]:

Twelve (12) non-emergency type generators 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 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; and
(j) one (1) gasoline fired generator, identified as NS-GN-x rated at 152 horsepower (hp), and exhausting at one (1) stack, identified as S/V 95.

(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 shall not exceed 360 hours, except for the 155 kW generator exhausting through SV 20 which shall not exceed 500 hours and for the 67 HP diesel fired generator exhausting at stack SV 63 which 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 twelve (12) non-emergency generators to 19.20 and 3.90 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; 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.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)]:

Three (3) non-emergency type generators in main operation:
(a) 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); and
(b) one (1) diesel-fired air compressor, with maximum heat input capacity of 80 horsepower (hp), exhausting to one (1) stack, identified as S/V 66;

(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.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, the operating hours shall be limited to 180 hours for each of the two (2) gasoline-fired generators and 360 hours for the diesel-fired air compressor, per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to CO and NOx emissions of 0.81 and 0.47 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)] [326 IAC 2-8-16]

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 of the two (2) gasoline-fired generators and the one (1) diesel-fired air compressor; and

(2) The 12 month rolling total of hours of operation for each of the two (2) gasoline-fired generators and the one (1) diesel-fired air compressor.

(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 of the information to document compliance with Condition 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 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
Fourteen (14) emergency type generators:
(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 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, rated at 350 kW, to be installed in 2003, identified as S/V 99;
(k) two (2) diesel fuel fired generators, each rated at 30 kW, each exhausting at one (1) stack identified as S/V 103 and 104, respectively.

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.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 emergency generators shall not exceed 500 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 fourteen (14) emergency generators to 14.46 and 60.23 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.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 operating limits of D.3.1.

(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.3.3 Reporting Requirements

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, 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.4 FACILITY OPERATION CONDITIONS

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

Main Operation

(a) Ten (10) gasoline pumps (internal combustion engines):
- (1) three (3) pumps, located in Building 733K and each rated at 20 horsepower (HP);
- (2) one (1) pump, located in Building 717A and rated at 20 HP;
- (3) one (1) pump, located in Building 739A and rated at 20 HP;
- (4) one (1) pump, located in Building 739A and rated at 12 HP;
- (5) one (1) pump, located in Building 725A and rated at 10 HP;
- (6) one (1) pumps, located in Building 739A and rated at 8 HP;
- (7) one (1) pump, located in Building 710 and rated at 7.5 HP; and
- (8) one (1) pump, located in Building 717A and rated at 3 HP;

(b) Five (5) 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.

(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.4.1 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 fifteen (15) internal combustion (IC) engines shall not exceed 360 hours, per twelve (12) consecutive months period with compliance determined at the end of each month. These operating limits shall limit total CO and NOx emissions from the fifteen (15) IC engines to 18.34 and 0.83 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.4.2 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, 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.4.1.

(1) The hours of operation each month for each of the fifteen (15) IC engines; and

(2) The 12 month rolling total of hours of operation for each of the fifteen (15) IC engines.

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

D.4.3 Quarterly Reporting

A quarterly summary to document compliance with operation condition number D.4.1 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.5 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.5.1 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.5.2 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.5.3 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.5.4 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.5.5 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.5.6 Record Keeping Requirements

(a) To document compliance with Condition D.5.2, 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.5.2.

(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.5.5, 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.5.7 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.5.2 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.6 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.6.1 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 NOx 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 NOx 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 NOx 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 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.6.2 Record Keeping Requirements

(a) To document compliance with Condition D.6.1, 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 SO_2, VOC, CO and NOx emission limits established in Condition D.6.1.

(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 SO_2, VOC, CO and NOx 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.6.3 Quarterly Reporting

A quarterly summary of the information to document compliance with Condition D.6.1 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.7 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.7.1 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.7.2 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.7 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.7.3 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.7.4 Particulate Matter (PM-10), Sulfur Dioxide (SO_2), Volatile Organic Compounds (VOC), Carbon Monoxide (CO) and Nitrogen Oxides (NOx) [326 IAC 2-8-4][326 IAC 2-2]

The emissions of each of PM-10, SO_2, VOC, CO and NOx 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, SO_2, VOC, 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.

D.7.5 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 (m^3)). 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.7.6 Record Keeping Requirements

To document compliance with Condition D.7.4, the Permittee shall maintain records at the source of the information necessary for determining the emissions of PM-10, SO_2, VOC, CO and NOx, 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, SO_2, VOC, CO and NOx 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.7.7 Quarterly Reporting

A quarterly summary to document compliance with operation Condition D.7.4 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).

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Newport Chemical Depot
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: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Newport Chemical Depot
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**

9 This is an emergency as defined in 326 IAC 2-7-1(12)
CThe Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
CThe 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
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: _____

Boiler Affected	Alternate Fuel	Days burning alternate fuel	
		From	To

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: Fourteen (14) Non-emergency Generators
Parameter: Generator Operating Hours
Limit: 360 hours per generator, except for the one (1) 155 kW generator which each shall not exceed 500 hours and for the 67 HP diesel fired generator exhausting at stack SV 63 which shall not exceed 2000 hours, per 12-consecutive month period with compliance determined at the end of each month.

YEAR _____

Non-Emergency Generator	**Month:**			**Month:**			**Month:**		
	Hour of Op. this month	**Hour of Op. Prev. 11 months**	**Hour of Op. 12 mon. tot**	**Hour of Op. this month**	**Hour of Op. Prev. 11 months**	**Hour of Op. 12 mon. tot**	**Hour of Op. this month**	**Hour of Op. Prev. 11 months**	**Hour of Op. 12 mon. tot**
(1) - 6 KW									
(2) - 6 KW									
(3) - 6 KW									
(4) - 155 kW									
(5) - 4 KW									
(6) - 7.5 KW									
(7) - 7.5 KW									
(8) - 67 hp									
(9) - 20 hp									
(10) - 11 hp									
(11) - 16 hp									
(12) - 152 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
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: two (2) gasoline-fired generators and one (1) diesel-fired air compressor
Parameter: SO_2, VOC, CO and NOx
Limit: Operating hours shall be limited to 180 hours for each of the two (2) gasoline-fired generators (#64 and #65) and 360 hours for the diesel-fired air compressor (#66), per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Equipment	Column 2	Column 3	Column 2 + Column 3
		Hours of Operation This Month	Hours of Operation Previous 11 Months	Hours of Operation 12 Month Total
	Generator (64)			
	Generator (65)			
	Compressor (66)			
	Generator (64)			
	Generator (65)			
	Compressor (66)			
	Generator (64)			
	Generator (65)			
	Compressor (66)			

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: Eighteen (18) emergency Generators (both main operation and NECDF)
Parameter: Generator Operating Hours
Limit: 500 hours per generator per 12-consecutive month period for each emergency generator

YEAR_____

Emergency Generator	Month:			Month:			Month:		
	Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot	Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot	Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot
(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) - 30 kW									
(14) - 30 kW									
(15) - 250 kW									
(16) -2,250 kW									
(17) - 2,250 kW									
(18) - 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:

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

FESOP Quarterly Report

Source Name: Newport Chemical Depot
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: The fifteen (15) internal combustion engines
Parameter: SO_2, VOC, CO and NOx
Limit: 360 hours of operation for each of the listed internal combustion engines per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR_____

Bldg.	Unit ID	Month:			Month:			Month:		
		Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot	Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot	Hour of Op. this month	Hour of Op. Prev. 11 months	Hour of Op. 12 mon. tot
733K	20 hp pump-#1									
733K	20 hp pump-#2									
733K	20 hp pump-#3									
717A	20 hp pump									
739A	20 hp pump									
739A	12 hp pump									
725A	10 hp pump									
739A	8 hp pump									
710	7.5 hp pump									
717A	3 hp pump									
739A	5.5 hp maint. unit									
739A	20 hp maint. unit									
739A	10 hp maint. unit									
725A	65 hp maint. unit									
725A	55 hp main. unit									

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

Submitted by:
Title/Position:
Signature:
Date:

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

Source Name: Newport Chemical Depot
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
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.
Parameter: SO_2, VOC, CO and NOx
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	NOx
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
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
Parameter: PM-10, SO_2, VOC, CO and NOx
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:**		
	Emissions this month	**Emissions prev. 11 months**	**12 mon. emission total**	**Emissions this month**	**Emissions prev. 11 months**	**12 mon. emission total**	**Emissions this month**	**Emissions prev. 11 months**	**12 mon. emission total**
IC Engines									
Storage Tanks									
Heaters									
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

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

Source Name: Newport Chemical Depot
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:** _____

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. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do 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

Technical Support Document (TSD) for a Minor 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 47966-0121**
County:	**Vermillion**
SIC Code:	**9711**
Operation Permit No.:	**F165-14084-00003**
Operation Permit Issuance Date:	**July 12, 2002**
Permit Revision No.:	**165-22789-00003**
Permit Reviewer:	**Linda Quigley/EVP**

History

On March 13, 2006, Newport Chemical Depot (NECD) submitted an application to the OAQ requesting an increase in the neutralization process volatile organic compound emissions limit. NECD requested to revise the operating limit of the agent neutralization process to process no more than six (6) Ton containers per day. The operating limit for total volatile organic compound (VOC) emissions from the neutralization process shall be limited to fifteen (15) tons per year.

Newport Chemical Depot was issued a FESOP on July 12, 2002 for the operation of a National Defense – Chemical Stockpile Storage Site.
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Existing Approvals

The source has been operating under the previous FESOP 165-14084-00003 issued on July 12, 2002, with an expiration date of July 12, 2007, and the following amendments and revisions:

(a) First Significant Permit Revision No.: 165-16273, issued on January 8, 2003;

(b) First Administrative Amendment No.: 165-16708, issued on March 19, 2003;

(c) Second Administrative Amendment No.: 165-18375, issued on January 13, 2004;

(d) Third Administrative Amendment No.: 165-18780, issued on May 18, 2004; and

(e) Second Significant Permit Revision No. 165-20258, issued on June 27, 2005.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Minor Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on March 13, 2006. Additional information was received on April 6, 2006.

Emission Calculations

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document, one (1) page.

Potential To Emit Before Controls (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	0.00
PM-10	0.00
SO_2	0.00
VOC	15.00
CO	0.00
NO_x	0.00

HAP's	Potential To Emit (tons/year)
Methylene Chloride	Less than 10
Toluene	Less than 10
Xylene	Less than 10
1,2,4 Trichlorobenzene	Less than 10
TOTAL	Less than 25

Complete list of HAPs located in Appendix A.

Justification for Modification

The FESOP is being modified through a Minor Permit Revision. This modification is being performed pursuant to 326 IAC 2-8-11.1(d)(5) because it is a modification for which the potential to emit of volatile organic compound (VOC) is limited to less than twenty-five (25) tons per year in order to render 326 IAC 8-1-6 not applicable.

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

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Vermillion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

(b) Vermillion County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions. See the State Rule Applicability for the source section.

(c) Vermillion County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

(d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

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.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Existing Source Total	60.65	60.09	18.12	34.78	91.56	97.93	<10 single <25 total
Agent neutralization process	--	--	--	15.00	--	--	< 10 single < 25 total
Total Emissions of revision	--	--	--	15.00	--	--	< 10 single < 25 total
Revised Source Wide Operations Total	unchanged	unchanged	unchanged	49.78	unchanged	unchanged	<10 single <25 total

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD major levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability

(a) There are no requirements of any New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60), included in this revision.

(b) There are no requirements of any National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63), included in this revision.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This modification to an existing minor PSD source is not subject to the requirements of 326 IAC 2-2 because the source wide potential emissions of all regulated pollutants, including this modification, are less than 100 tons per year and it is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, therefore the source will remain a minor PSD source.

326 IAC 5-1 (Opacity Limitations)

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%) 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.

State Rule Applicability - Individual Facilities

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the neutralization process will emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 8-1-6 (General Volatile Organic Compound Reduction Requirements)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, which have potential volatile organic compound (VOC) emissions of 25 tons per year or more, and which are not otherwise regulated by another provision of Article 8. The agent neutralization process shall process no more than six (6) ton containers per day. The VOC emissions 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 8-1-6 do not apply.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no changes to any compliance monitoring requirements as a result of this revision.

Changes Proposed

The changes listed below have been made to the FESOP F165-14084-00003.

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

D.5.1 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 18 Tonne containers per day. The~~ concentration of VX in the exhaust gas, when emitting to the atmosphere, shall be limited to 0.06 micrograms per cubic meter. ~~This operating limit shall limit total volatile organic compound (VOC) emissions from the neutralization process to 0.01 tons per year. Therefore, the requirements of 326 IAC 2-7 do not apply.~~

D.5.2 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.5.~~2~~**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.5.~~3~~**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.5.~~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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

D.5.~~5~~**6** Record Keeping Requirements

(a) To document compliance with Condition ~~D.5.1~~ **D.5.2**, the Permittee shall maintain records in accordance with (1) through ~~(2)~~ **(3)** below. Records maintained for (1) through ~~(2)~~ **(3)** shall be taken daily and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition ~~D.5.1~~ **D.5.2**.

(1) The number of ~~Tonne~~ 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.5.4~~ **D.5.5**, 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.5.~~6~~**7** Reporting Requirements

A quarterly summary of the information to document compliance with Condition ~~D.5.1~~ **D.5.2** 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).

Table of Contents and Report Form have been updated.

IDEM, OAQ address has been updated throughout the permit.

Conclusion

The operation of this National Defense – Chemical Stockpile Storage Site shall be subject to the conditions of Minor Permit Revision 165-22789-00003.

Appendix A: Emission Calculations

Source Name: Newport Chemical Depot
Source Location: Indiana State Road 63, Newport, Indiana 47966
County: Vermillion
Permit Revision No.: 165-22789
Permit Reviewer: Linda Quigley/EVP

VOC Detected	VOC (ppm)	VOC (mg/m3)	VOC (lb/yr)	VOC (ton/yr)	Molecular weight
Acetone	1.400	3.382	4324.5	2.162	58.08
Methane	2.2	1.469	1877.9	0.939	16.05
Methylene chloride	0.034	0.120	153.6	0.077	84.93
Ethanol	0.020	0.038	49.0	0.025	46.07
Pentane	0.008	0.024	30.7	0.015	72.15
Propene	0.018	0.032	40.3	0.020	42.09
Toluene	0.007	0.027	34.3	0.017	92.13
m/p – Xylene	0.003	0.013	16.9	0.008	106.18
Carbon Disulfide	0.013	0.041	52.6	0.026	76.13
Hexane	0.011	0.039	50.4	0.0	86.2
1,2,4 Trichlorobenzene	0.003	0.023	28.9	0.014	181.44
Hexachlorobutadiene	0.003	0.033	41.6	0.021	260.74
Cyclohexane	0.009	0.032	40.3	0.020	84.14
2,4 Dimethylheptane	0.040	0.218	279.3	0.140	131.27
2,3 Dimethylheptane	0.006	0.033	41.9	0.021	131.27
4 Methyl Octane	0.006	0.032	40.9	0.020	128.26
2,6,10 Trimethyl Dodecane	0.006	0.053	67.8	0.034	212.42
Isopropyl Alcohol	0.210	0.525	671.3	0.336	60.11
2 Methyl Pentane	0.033	0.118	151.3	0.076	86.2
Pentadecane	0.019	0.168	214.7	0.107	212.47
Hexyl Pentyl Ether	0.004	0.028	35.4	0.018	166.25
4,7 Dimethyl Undecane	0.023	0.176	225.1	0.113	184
Undecane	0.007	0.046	58.2	0.029	156.35
2,6 Dimethyl Decane	0.010	0.071	90.6	0.045	170.33
2,3,5 Trimethyl Hexane	0.003	0.017	22.3	0.011	140
2,3,4 Trimethyl Hexane	0.006	0.035	44.7	0.022	140
3 Ethyl Hexane	0.032	0.153	196.1	0.098	115.23
5,7 Dimethyl Undecane	0.007	0.054	68.5	0.034	184
4 Methyl Undecane	0.006	0.042	54.2	0.027	170
Decanal	0.017	0.112	143.1	0.072	158.32
3,3 Dimethyl Hexane	0.011	0.057	73.1	0.037	125
1 Methyl 4 Cyclohexane	0.017	0.069	87.9	0.004	97.17
Phenol	0.010	0.039	50.1	0.025	94.11
Unknown	0.329	3.558	4549.3	2.275	260
Totals (all)	**4.53**	**10.88**	**13,907**	**6.95**	
Totals (actual VOCs)			**7,551**	**3.8**	

Methodology

Values in table are the highest levels detected from testing conducted from twelve (12) sample runs between February 27th and March 5th, 2006.

Calculation Formulas:
mg/m3 * m3/min * 1/45400 mg/lb = lb/min
lb/min * 525,600 = lb/yr
ppm by wt * 1.198 = mg/m3 (AP-42)
ppm by volume * MW * 24.04 = mg/m3 (AP-42)

39000 cfm = 1104.36 m3/min
ppm (volume) of 11.9 is 29.260 mg/m3
MW is 59.11