

Mr. Robert Garner
CHEMCENTRAL Corporation
7050 West 71st Street
Bedford Park, Illinois 60499

Re: Registered Construction and Operation Status,
003-16026-00270

Dear Mr. Garner:

The application from CHEMCENTRAL Corporation received on August 28, 2002 has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5), it has been determined that the following bulk liquid chemical products storage and redistribution facility, located at 7415 Nelson Road - East, Fort Wayne, Indiana 46803, is classified as registered:

- (a) One (1) tank truck loading and container filling operation rated at 3,800,000 gallons per year;
- (b) One (1) vertical fixed roof chemical storage tank, with a capacity of 17,165 gallons, identified as tank #1;
- (c) Three (3) horizontal fixed roof chemical storage tanks, each with a capacity of 20,000 gallons, identified as tanks # 2, #3 and #4;
- (d) Eight (8) horizontal fixed roof chemical storage tanks, each with a capacity of 4,000 gallons, identified as tanks #5, #6, #7, #8, #9, #10, #14 and #16;
- (e) Two (2) horizontal fixed roof chemical storage tanks, each with a capacity of 5,885 gallons, identified as tanks #11 and #12;
- (f) Twelve (12) horizontal fixed roof chemical storage tanks, each with a capacity of 6,000 gallons, identified as tanks #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27 and #28;
- (g) Four (4) horizontal fixed roof chemical storage tanks, each with a capacity of 10,000 gallons, identified as tanks #29, #30, #31 and #32; and
- (h) One (1) drum paint booth capable of using a maximum of 0.25 gallon of paint per hour.

The following conditions shall be applicable:

1. Volatile Organic Compounds (VOC)

Any change or modification which may increase the potential to emit (PTE) Volatile Organic Compounds (VOC) to 25 tons per year or more from the equipment covered in this registration must be approved by the Office of Air Quality (OAQ) before such change may occur.

2. Hazardous Air Pollutants (HAPs)

Any change or modification which may increase the potential to emit single HAP emissions to 10

tons per year or more or combined HAPs to 25 tons per year or more from the equipment covered in this registration must be approved by the Office of Air Quality (OAQ) before such change may occur.

This registration is the first air approval issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3)). The annual notice shall be submitted to:

Compliance Data Section
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

APD

cc: File - Allen County
Allen County Health Department
Air Compliance - Jennifer Dorn
Permit Tracking
Technical Support and Modeling - Michele Boner
Compliance Data Section - Karen Nowak

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name:	CHEMCENTRAL Corporation
Address:	7415 Nelson Road -East
City:	Fort Wayne
Authorized individual:	Robert Garner
Phone #:	(708) 594-7000
Registration #:	003-16026-00270

I hereby certify that **CHEMCENTRAL Corporation** is still in operation and is in compliance with the requirements of **Registration 003-16026-00270**.

Name (typed):
Title:
Signature:
Date:

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Registration

Source Background and Description

Source Name: CHEMCENTRAL Corporation
Source Location: 7415 Nelson Road - East, Fort Wayne, Indiana 46803
County: Allen
SIC Code: 5169
Registration No.: 003-16026-00270
Permit Reviewer: Aida De Guzman

The Office of Air Quality (OAQ) has reviewed an application from CHEMCENTRAL Corporation relating to the operation of the following existing bulk liquid chemical products storage and redistribution facility, which is classified as a registered source:

- (a) One (1) tank truck loading and container filling operation rated at 3,800,000 gallons per year;
- (b) One (1) vertical fixed roof chemical storage tank, with a capacity of 17,165 gallons, identified as tank #1;
- (c) Three (3) horizontal fixed roof chemical storage tanks, each with a capacity of 20,000 gallons, identified as tanks # 2, #3 and #4;
- (d) Eight (8) horizontal fixed roof chemical storage tanks, each with a capacity of 4,000 gallons, identified as tanks #5, #6, #7, #8, #9, #10, #14 and #16;
- (e) Two (2) horizontal fixed roof chemical storage tanks, each with a capacity of 5,885 gallons, identified as tanks #11 and #12;
- (f) Twelve (12) horizontal fixed roof chemical storage tanks, each with a capacity of 6,000 gallons, identified as tanks #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27 and #28;
- (g) Four (4) horizontal fixed roof chemical storage tanks, each with a capacity of 10,000 gallons, identified as tanks #29, #30, #31 and #32; and
- (h) One (1) drum paint booth capable of using a maximum of 0.25 gallon of paint per hour.

Recommendation

The staff recommends to the Commissioner that the operation 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.

The source has submitted an application on December 5, 1996. However, no permit has been issued to them. The source has resubmitted the same application on August 28, 2002, since the operation remained the same. Additional information was submitted via fax on September 6, 2002 and via e-mail on September 30, 2002.

Emission Calculations

See pages 1 through 13 for detailed emission calculations.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit 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, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential To Emit (tons/year)
PM	0.0
PM-10	0.0
SO ₂	0.0
VOC	15.21
CO	0.0
NO _x	0.0

HAPs	Potential To Emit (tons/year)
Methyl alcohol (Methanol)	1.0
Xylene (-m)	0.99
Toluene	0.223
Methyl isobutyl ketone	0.0244
Glycol Ether	0.0076
Methyl ethyl ketone	0.7535
Hexane (-n)	0.503
Dichloromethane	2.93
Dibutyl Phthalate	3.17 E-05
Diocetyl Phthalate	5.66E-05
Perchloroethylene	0.0058
Styrene	0.004
Worst Single HAP	2.93
Combined HAPs	6.44

Justification of Permit Level

- (a) The existing source will be registered, pursuant to 326 IAC 2-5.5, since volatile organic compound (VOC) emissions are greater than 10 tons per year but less than 25 tons per year.

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	not determined

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Allen County has been classified as attainment or unclassifiable for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Source Status

Existing Source PSD, Part 70 or FESOP Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity):

Pollutant	Potential To Emit (tons/year)
PM	0.0
PM-10	0.0
SO ₂	0.0
VOC	15.21
CO	0.0
NO _x	0.0

- (a) This existing source is **not** a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not in one of the 28 listed source categories.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This is the first air approval issued to this source.

Federal Rule Applicability

- (a) New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60)
 - (1) 40 CFR Part 60.110b, Subpart Kb - Standards or Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which construction, reconstruction, or modification commenced after July 23, 1984, and with a capacity greater than or equal to 40 cubic meters (10,567 gallons).

- (A) Storage tanks #1, with a capacity of 17,165 gallons; is not subject to this rule, since it was constructed in 1952, which is prior to July 23, 1984.
 - (B) Storage tanks #2, #3, and 4, each with a capacity of 20,000 gallons are not subject to this rule, since each tank was constructed in 1952 which is prior to July 23, 1984.
 - (C) Storage tanks #5, #6, #7, #8, #9, #10, #14 and #16 are not subject to this rule, since each tank was constructed in 1952 which is prior to July 23, 1984, and each tank has a capacity of 4,000 gallons which is below 10,567 gallons.
 - (D) Storage tanks #11 and #12 are not subject to this rule although they were constructed in 1995, because each tank capacity of 5,885 gallons is below 10,567 gallons.
 - (E) Storage tanks #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27 and #28 are not subject to this rule, since each tank was constructed in 1952 which is prior to July 23, 1984, and each tank has a capacity of 6,000 gallons which is below 10,567 gallons.
 - (F) Storage tanks #29, #30, #31 and #32 are not subject to this rule, since each tank was constructed in 1979, which is prior to July 23, 1984 and each tank has a capacity of 10,000 gallons which is below 10,567 gallons.
- (2) 40 CFR Part 60.500, Subpart XX - Standards of Performance for Gasoline Bulk Terminals. This rule is not applicable to the source because it is not a bulk gasoline terminal, but rather a bulk liquid chemical products storage and redistribution facility or bulk chemical terminal.
- (b) National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63).
- (1) There are no NESHAPs applicable to the source.

State Rule Applicability - Entire Source

- (a) 326 IAC 2-6 (Emission Reporting)
This source is not subject to 326 IAC 2-6, because it is not located in one of the counties listed in the rule that have the potential to emit VOC of 10 tons per year, nor does it emit 100 tons/year of any criteria pollutant.

State Rule Applicability - Individual Facilities

- (a) 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
This rule is not applicable to the storage tanks, as these tanks store various chemicals and do not store petroleum products.
- (b) 326 IAC 8-4-4 (Bulk Gasoline Terminals)
This rule is not applicable to the source because it is not a bulk gasoline terminal, but rather a bulk liquid chemical products storage and redistribution facility or bulk chemical terminal.
- (c) 326 IAC 8-4-7 and 326 IAC 8-4-9 (Gasoline Transports, Leaks from Transports and Vapor Collection Systems)
This rule is not applicable to the source because it does not transport gasoline between transports and storage tanks, but rather transport various chemicals.

- (d) 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)
This rule is only applicable to sources located in Clark, Floyd, Lake or Porter County.

Therefore, the source is not subject to this rule, since it is not located in one of these counties.

- (e) 326 IAC 8-1-6 (General Reduction Requirements)
This rule is not applicable to the paint booth, as it does not emit VOC at 25 tons per year or greater, and it was constructed in 1969, which predates the applicability date of January 1, 1980.

Conclusion

The operation of this bulk liquid chemical products storage and redistribution facility shall be subject to the conditions of the attached proposed **Registration 003-16026-00270**.

TABLE 7
TOTAL EMISSIONS FROM TANK TRUCK LOADING

TANK & DRUMOFFS	PRODUCT	POLLUTANT TYPE	Average (lbs/hr)			Annual (tons/yr)		
			Tanks	Loading	Total	Tanks	Loading	Total
DO	DIBUTYL PHTHALATE	HAP	0	7.24975E-06	0.00	0	3.17539E-05	3.17539E-05
23	Dichloromethane	HAP	61.66	7.30E-02	61.74	1.8561662	0.319425571	2.175591771
DO	DIOCTYL PHTHALATE	HAP	0	9.92775E-06	0.00	0	4.34836E-05	4.34836E-05
DO	ETHYLENE GLYCOL	HAP	0	3.66614E-06	0.00	0	1.60577E-05	1.60577E-05
DO	GLYCOL ETHER DB	HAP	0	8.46798E-07	0.00	0	3.70898E-06	3.70898E-06
DO	GLYCOL ETHER DM	HAP	0	1.09271E-05	0.00	0	4.78605E-05	4.78605E-05
18	Glycol Ether EB	HAP	0.46	1.52E-04	0.46	0.00536235	0.000667036	0.006029386
22	Hexane (-n)	HAP	21.06	1.08E-02	21.07	0.346715	0.04733835	0.39405335
1	Methyl alcohol	HAP	5.76	1.30E-02	5.78	0.22691425	0.056901802	0.283816052
26	Methyl alcohol	HAP	5.76	4.58E-03	5.77	0.1207358	0.020054977	0.140790777
19	Methyl ethyl ketone	HAP	9.90	7.16E-03	9.91	0.18889185	0.031327926	0.220219776
32	Methyl ethyl ketone	HAP	9.90	7.18E-03	9.91	0.2483944	0.031422429	0.279816829
12	Methyl isobutyl ketone	HAP	2.61	4.19E-04	2.61	0.01851325	0.001834586	0.020347836
DO	PERCHLOROETHYLENE	HAP	0	0.000673397	0.00	0	0.002949481	0.002949481
25	Santicizer 160	HAP	0.03	3.29E-06	0.03	0.000237	1.43837E-05	0.000251384
DO	SANTICIZER 278	HAP	0	0.000461461	0.00	0	0.002021198	0.002021198
DO	STYRENE	HAP	0	0.000214352	0.00	0	0.000938862	0.000938862
6	Toluene	HAP	3.80	1.48E-03	3.80	0.0405905	0.006492653	0.047083153
31	Toluene	HAP	3.80	3.79E-03	3.80	0.10483315	0.016594351	0.121427501
4	Xylene (-m)	HAP	1.69	3.49E-03	1.70	0.0928798	0.015280088	0.108159888
20	Empty	N/A	N/A	-	0.00	N/A	-	0
3	Acetone	NRH	-	-	-	-	-	-
14	140 Solvent	VOC	0.18	3.59E-05	0.18	0.0013464	0.000157239	0.001503639
DO	360 SOLVENT	VOC	0	0.000570518	0.00	0	0.002498869	0.002498869
DO	AMP-95	VOC	0	8.08068E-07	0.00	0	3.53934E-06	3.53934E-06
DO	AROMATIC 200	VOC	0	8.9889E-05	0.00	0	0.000393714	0.000393714
8	Diacetone Alcohol AF	VOC	0.14	2.80E-05	0.14	0.0010321	0.0001226	0.0011547
DO	DIBASIC ESTER	VOC	0	4.34741E-06	0.00	0	1.90417E-05	1.90417E-05
5	Diisononyl phthalate	VOC	0.00	0.00E+00	0.00	0	0	0
DO	DIISONONYL PHTHALATE	VOC	0	0	0.00	0	0	0
DO	DIOCTYL ADIPATE	VOC	0	8.21901E-05	0.00	0	0.000359993	0.000359993
DO	DIPROPYLENE GLYCOL	VOC	0	2.92436E-06	0.00	0	1.28087E-05	1.28087E-05
29	Distillate fuel oil no. 2	VOC	0.10	5.70E-06	0.10	0.00127455	2.49318E-05	0.001299482

TABLE 7
TOTAL EMISSIONS FROM TANK TRUCK LOADING

TANK & DRUMOFFS	PRODUCT	POLLUTANT TYPE	Average (lbs/hr)			Annual (tons/yr)		
			Tanks	Loading	Total	Tanks	Loading	Total
DO	EB ACETATE	VOC	0	5.81033E-06	0.00	0	2.54492E-05	2.54492E-05
DO	ETHANOL	VOC	0	0.001542983	0.00	0	0.006758266	0.006758266
DO	ETHYL ACETATE	VOC	0	0.003196776	0.00	0	0.014001879	0.014001879
DO	EXXATE 600	VOC	0	0.005715504	0.01	0	0.025033907	0.025033907
11	Glycol Ether Acetate PMA	VOC	1.01	1.29E-04	1.01	0.00639015	0.000566188	0.006956338
DO	GLYCOL ETHER EP	VOC	0	6.85223E-06	0.00	0	3.00128E-05	3.00128E-05
DO	GLYCOL ETHER PNP	VOC	0	1.14821E-05	0.00	0	5.02917E-05	5.02917E-05
DO	GLYCOL ETHER TPM	VOC	0	6.07875E-07	0.00	0	2.66249E-06	2.66249E-06
10	Heptane (-n)	VOC	7.70	1.61E-03	7.70	0.06290225	0.007056678	0.069958928
16	Hexylene Glycol	VOC	0.00	3.28E-07	0.00	0.0000183	1.43708E-06	1.97371E-05
DO	ISOBUTYL ACETATE	VOC	0	0.000572421	0.00	0	0.002507204	0.002507204
DO	ISOBUTYL ALCOHOL	VOC	0	0.000370994	0.00	0	0.001624954	0.001624954
DO	ISOPAR L	VOC	0	0.000173198	0.00	0	0.000758608	0.000758608
DO	ISOPAR M	VOC	0	2.14567E-05	0.00	0	9.39802E-05	9.39802E-05
9	Isopropyl alcohol	VOC	3.58	1.52E-03	3.58	0.0413019	0.006634717	0.047936617
28	Isopropyl alcohol	VOC	3.58	2.30E-03	3.59	0.0623112	0.010054674	0.072365874
DO	KEROSENE	VOC	0	3.65869E-06	0.00	0	1.60251E-05	1.60251E-05
DO	LACQUER DILUENT	VOC	0	0.00210894	0.00	0	0.009237157	0.009237157
DO	METHYL AMYL KETONE	VOC	0	8.18065E-05	0.00	0	0.000358313	0.000358313
7	Methyl Propyl Ketone	VOC	3.99	1.03E-03	3.99	0.0356529	0.004527463	0.040180363
DO	MINERAL SEAL OIL	VOC	0	6.10122E-06	0.00	0	2.67233E-05	2.67233E-05
24	Mineral Spirits	VOC	1.07	1.41E-03	1.07	0.0278233	0.006182981	0.034006281
27	Mineral Spirits	VOC	1.13	1.59E-04	1.13	0.00973365	0.000694173	0.010427823
DO	MONOETHANOLAMINE	VOC	0	7.37727E-06	0.00	0	3.23124E-05	3.23124E-05
DO	N-BUTYL ACETATE	VOC	0	0.000683339	0.00	0	0.002993024	0.002993024
DO	N-BUTYL ALCOHOL	VOC	0	0.000124636	0.00	0	0.000545906	0.000545906
DO	N-METHYL PYRROLIDONE	VOC	0	9.98802E-06	0.00	0	4.37475E-05	4.37475E-05
DO	N-PROPYL ALCOHOL	VOC	0	0.000111801	0.00	0	0.000489688	0.000489688
DO	ODORLESS MINERAL SPIR	VOC	0	0.000103856	0.00	0	0.000454887	0.000454887
30	Palatinol 711P	VOC	0.00	5.27E-07	0.00	0.00002115	2.30602E-06	2.3456E-05
DO	PROPYLENE GLYCOL	VOC	0	2.17688E-06	0.00	0	9.53475E-06	9.53475E-06
DO	RUBBER SOLVENT	VOC	0	0.003293529	0.00	0	0.014425655	0.014425655
2	SC-100	VOC	1.42	2.38E-03	1.43	0.06833665	0.010396484	0.078733134
17	SC-150	VOC	1.17	3.24E-04	1.17	0.01248045	0.001418843	0.013899293

TABLE 7
TOTAL EMISSIONS FROM TANK TRUCK LOADING

TANK & DRUMOFFS	PRODUCT	POLLUTANT TYPE	Average (lbs/hr)			Annual (tons/yr)		
			Tanks	Loading	Total	Tanks	Loading	Total
DO	TERTIARY BUTYL ALCOHO	VOC	0	0.000556491	0.00	0	0.00243743	0.00243743
DO	TEXANOL	VOC	0	1.1785E-06	0.00	0	5.16184E-06	5.16184E-06
DO	TRIETHANOLAMINE	VOC	0	0	0.00	0	0	0
21	VM&P	VOC	2.43	7.86E-04	2.43	0.0283991	0.003437472	0.031836572
			153.96	0.16	154.12	3.61	0.69	4.30
	Totals	HAP	126.45	0.13	126.58	3.25	0.55	3.80
		VOC	27.505	0.031	27.536	0.359	0.137	0.496
		NRH	0.00	0.00	0.00	0.00	0.00	0.00
		Total	153.96	0.16	154.12	3.61	0.69	4.30

NOTE 1: HAP = Hazardous Air Pollutants (listed in Title III Section 112 of the Clean Air Act Amendments)

NRH = Nonreactive hydrocarbon per USEPA.

NOTE 2: VOC emissions do not include acetone. Acetone is a nonreactive hydrocarbon (NRH) and has been delisted as a VOC by USEPA.

NOTE 3: Storage tank annual emissions were estimated using USEPA's Tanks 2.0 program.

NOTE 4: Bulk loading & container filling losses are based on AP-42 methodology for handling & transporting of organic liquids.

NOTE 5: DO = Drumoffs