



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

**JUL 16 2013**

REPLY TO THE ATTENTION OF

LR-8J

**CERTIFIED MAIL 7009 1680 0000 7669 3318**  
**RETURN RECEIPT REQUESTED**

Mr. Troy Shull  
Environmental, Health & Safety Manager  
Warsaw Chemical Co. Inc.  
390 Argonne Road  
Warsaw, Indiana 46580

Re: Notice of Violation  
RCRA Compliance Evaluation Inspection – Warsaw Chemical Co. Inc.  
EPA I.D. No.: IND 005 430 244

Dear Mr. Shull:

On June 4, 2012, a representative of the U.S. Environmental Protection Agency inspected the Warsaw Chemical Co. Inc. (Warsaw) facility, located at 390 Argonne Road, Warsaw, Indiana (Facility). The purpose of the inspection was to evaluate Warsaw's compliance with certain provisions of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. § 6901 *et seq.*, and its implementing regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed, for your reference.

Based on information provided by Warsaw personnel, a review of records, and personal observations made by the inspector at the Facility on June 4, 2012, EPA has determined that Warsaw is a small quantity generator storing hazardous wastes at the Facility without an operating license, and is in violation of certain hazardous waste regulations in the Indiana Administrative Code (IAC) and corresponding provisions in the United States Code of Federal Regulations (C.F.R.), as specified below.

To be eligible for the exemption from having a hazardous waste storage permit, Warsaw must be in compliance with the conditions of 40 C.F.R. §§ 262.34(c) – (f), which are incorporated by reference into the Indiana regulations, at 329 IAC 3.1-7-1. Based on the information currently available to us, we find that Warsaw failed to comply with the following conditions for a hazardous waste storage permit exemption, and violated the following requirements:

1. A generator of hazardous waste may accumulate as much as 55 gallons of hazardous waste or one quart of acutely hazardous waste in containers at or near the point of generation

which is under the control of an operator of the process generating the waste, without a permit or interim status, provided that: 1) containers holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste; and 2) the generator marks the containers of hazardous waste with either the words, "Hazardous Waste," or with other words that identify the contents of the containers. *See* 329 IAC § 3.1-7-1 [40 C.F.R. § 262.34(c)(1)(i) and (c)(1)(ii); 40 C.F.R. §§ 265.173(a)].

- At the time of the inspection, several containers located in four of Warsaw's satellite accumulation areas (SAAs), and one container located in an SAA near the hazardous waste storage area inside of the new Bulk Plant were not marked with either the words, "Hazardous Waste," or with other words identifying the contents of the containers.
  - In addition, several 5-gallon buckets, located in the containment areas of the storage and staging tanks, were not marked with either the words, "Hazardous Waste," or with other words identifying the contents of the containers.
  - Finally, several of the containers located in these SAA locations contained hazardous waste, yet were not closed, but were open when waste was not being added to, or removed, from the containers.
2. Facilities must be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. *See*, 329 IAC § 3.1-7-1 [40 C.F.R. § 262.34(d)(4); 40 C.F.R. § 265.31].

At the time of the inspection, hazardous constituents were being stored on the floor underneath the waste water treatment unit. The floor was corroded in the vicinity of a grated pit, showing that the material that was located on the floor was causing significant damage to the floor and to the pit.

3. A person who generates a solid waste, as defined in 40 C.F.R. § 261.2, must determine if that waste is a hazardous waste. *See* 329 IAC § 3.1-16-2 [40 CFR § 262.11].

At the time of the inspection, Warsaw was storing unidentified material in several containers; approximately three 55-gallon containers, one 20-gallon container, and three or four 5-gallon containers. These containers were located in an outside area, positioned to the East of the Old Bulk Plant. Warsaw was not aware of what material was actually being stored in each container.

4. A small quantity handler of universal waste must label or mark clearly each lamp, or a container or package in which such lamps are contained, with one of the following phrases: "Universal Waste-Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)." *See*, 329 IAC § 3.1-16-2 [40 CFR § 273.14(e)].

At the time of the inspection, Warsaw was storing used fluorescent light bulbs in three open containers, which did not contain the proper required labeling.

5. A small quantity handler of universal waste may accumulate universal waste for no longer than one year from the date the universal waste is generated, or received from another handler, unless specific requirements are met. A small quantity handler of universal waste who accumulates universal waste must be able to demonstrate the length of time that the universal waste has been accumulated from the date it becomes a waste or is received. *See*, 329 IAC § 3.1-16-2 [40 CFR § 273.15(a) and (c)].

At the time of the inspection, Warsaw was storing used fluorescent light bulbs inside of three containers that did not include an accumulation date. Warsaw did not have another way to demonstrate the length of time that the universal had been accumulated from the date it became a waste.

6. A small quantity generator that accumulates hazardous waste on-site and does not meet the conditions for a permit exemption of 329 IAC § 3.1-7-1 and 40 CFR § 262.34 is an operator of a hazardous waste storage facility, and is required to obtain an Indiana hazardous waste storage permit. *See*, 329 IAC § 3.1-7-1 [40 CFR § 262.34(d)].

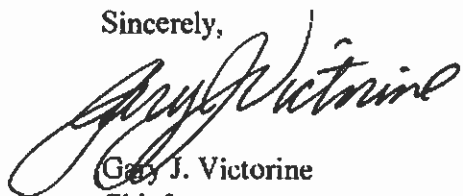
Upon failing to meet the conditions identified in item numbers 1 and 2 listed above, Warsaw became an operator of a hazardous waste storage facility. Warsaw has not applied for or received a hazardous waste storage permit nor does Warsaw have interim status. Warsaw's failure to apply for and obtain a hazardous waste storage permit violated the permitting requirements of 329 IAC §§ 3.1-13-1; 3.1-13-2(1), (2), (3) and (4) and 3.1-13-3 through 3.1-13-17 [40 CFR §§ 270.1(c) and 270.13].

At this time, EPA is not requiring Warsaw to apply for an Indiana hazardous waste storage permit, provided that Warsaw immediately complies with the conditions for an exemption set forth in the regulations identified above.

Under Section 3008(a) of RCRA, 42 U.S.C. § 6928(a), EPA may issue an order assessing a civil penalty for any past or current violations and requiring compliance immediately or within a specified time period. Although this letter is not such an order, we request that you submit a response in writing to this office no later than thirty (30) days after receipt of this letter documenting the actions, if any, which you have taken since the inspection to establish compliance with the above requirements.

You should submit your response to Jamie L. Paulin, U.S. Environmental Protection Agency, Region 5 (LR-8J), 77 West Jackson Boulevard, Chicago, Illinois 60604. If you have any questions regarding this letter, please contact Ms. Paulin, of my staff, at (312) 886-1771.

Sincerely,



Gay J. Victorine  
Chief  
RCRA Branch

**Enclosures**

**cc: Nancy Johnston, Indiana Department of Environmental Management  
([njohnsto@idem.in.gov](mailto:njohnsto@idem.in.gov))**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 W. JACKSON BOULEVARD  
CHICAGO, IL 60604

COMPLIANCE EVALUATION INSPECTION REPORT

INSTALLATION NAME: Warsaw Chemical Co. Inc.

EPA ID No.: IND 005 430 244

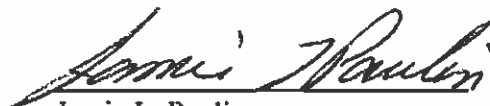
LOCATION ADDRESS: 390 Argonne Road  
Warsaw, Indiana 46580

NAICS CODE(S): 32513 [Synthetic Dye and Pigment Manufacturing];  
32519 [Other Basic Organic Chemical Manufacturing];  
32561 [Soap and Cleaning Compound Manufacturing];  
325611 [Soap and Other Detergent Manufacturing].

DATE OF INSPECTION: June 4, 2012

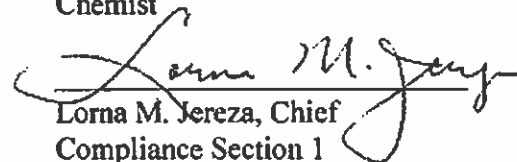
EPA INSPECTOR: Jamie L. Paulin  
Chemist  
LR-8J  
Compliance Section 1  
(312) 886-1771 Direct  
(312) 353-4788 Facsimile  
paulin.jamie@epa.gov

PREPARED BY:

  
Jamie L. Paulin  
Chemist

8/1/12  
Date

REVIEWED BY:

  
Lorna M. Jereza, Chief  
Compliance Section 1  
RCRA Branch

8/2/12  
Date

## INTRODUCTION:

The purpose of the inspection was to conduct an un-announced Follow-Up Inspection (FUI) at the Warsaw Chemical Co. Inc. (Warsaw), located at 390 Argonne Road, Warsaw, Indiana. The FUI was to examine Warsaw's management of its Resource Conservation and Recovery Act (RCRA) regulated waste, by the U.S. Environmental Protection Agency, after entering into an agreement, a Complaint and Compliance Order, with EPA on September 28, 2007, based on violations found during a June 8, 2006 inspection.

Warsaw originally applied for a Part A permit on December 20, 1980, and notified EPA as a hazardous waste storage facility; storing xylene waste (F003) until picked up for reclamation. EPA, after further review of the permit application, explained to Warsaw via a letter dated August 12, 1982, that a Part A hazardous waste permit was not required and that Warsaw qualified for the small quantity generator (SQG) exemption. On July 2, 1986, EPA received a letter from Warsaw requesting withdrawal of their Part A hazardous waste permit application, subsequent to closure of their hazardous waste container storage facility. The facility's closure plan was approved on April 24, 1985, and the closure process was complete as of June 20, 1986.

As of January 7, 2008, Warsaw has been operating as an SQG and employs an estimated 75-80 employees. They operate one 8 ½ hour shift from Monday through Friday. They have discontinued the lacquer thinner manufacturing business, since the June 8, 2006 inspection. By discontinuing the lacquer thinner business, their hazardous waste generation has decreased, thus placing them into an SQG status.

They mainly manufacture hand soaps, car wash soaps and toilet bowl cleaners.

Warsaw also has a waste water treatment unit (WWTU) on-site and has a local POTW permit to discharge into the sewer system.

## OPENING CONFERENCE:

Ms. Lynne Roberts, the Federal Facilities Coordinator, and I entered the facility, and approached the Warsaw Reception Desk, at 12:30pm, on June 4, 2012. We spoke to Ms. Jeanie Gibson, who contacted Mr. Troy Shull, Environmental, Health and Safety Manager, who met with us and gave us a tour of the facility.

During the opening conference, I presented my credentials to all personnel in attendance. The personnel that were in attendance at the opening conference are listed in *Table 1*.

Mr. Shull explained to us during the opening conference that Warsaw no longer operates its lacquer thinner business, which eliminated a hazardous waste stream. Therefore, they are now operating as an SQG.

We then began the physical site inspection to see if Warsaw was remaining in compliance as the order required.

**Table 1. Personnel in Attendance during CEI at Warsaw.**

Personnel	Title	Department
Troy Shull	Environmental, Health & Safety Manager	Warsaw
Lynne Roberts	Federal Facilities Coordinator	EPA
Jamie Paulin	Chemist	EPA, RCRA Branch

#### **SITE INSPECTION:**

Mr. Shull escorted us on the physical inspection, which began in the Old Bulk Plant. Warsaw was only storing raw packaging, boxes and raw materials inside of this building at the time of the inspection. In the past, they used to store hazardous waste inside. *See*, photograph 1.

We then left the Old Bulk Plant and proceeded to the East side of that building. Several empty containers and containers of material(s) were being stored in this area. Mr. Shull did not know the identity of the material being stored inside of these containers. *See*, photograph 2.

On the North side of the facility yard, Warsaw was storing ethylene glycol monobutyl ether (EB), as a raw material in a black 7000 gallon tank. Two tall rusty tanks were positioned next to this EB tank; however, Mr. Shull explained that those two tanks were empty and not in-use. *See*, photograph 3.

On the East side of the facility yard, Warsaw was storing Hydrochloric Acid in a 6000 gallon white tank and Phosphoric Acid in a 6000 gallon white tank next to each other. The materials were being stored for use in their processes on-site. Warsaw was storing acid collection from the tanks in two white containers. Mr. Shull stated that the drippings from the hoses are collected in these containers and that the acid is put into the WWTU for treatment. There were several pipes and hoses connected to the tanks and also leading into the building or to containers. *See*, photographs 4 and 5.

Also on the East side of the facility yard, Warsaw was storing several totes. According to Mr. Shull, the totes were storing rinse water, antifreeze, Lime Solve, methanol, and other types of raw materials. *See*, photograph 6.

Several trailers were parked next to the tote storage. Empty 55-gallon containers were being stored in one of the trailers and raw materials were being stored in another trailer. *See*, photograph 7.

From the trailer storage, we walked to the new Bulk Plant, located on the West side of the facility yard. In front of the Bulk Plant is a drive-way where trucks off-load the raw materials into the building. A drain was located on this drive-way. Mr. Shull explained that this drain led to a sump pit, inside of the Bulk Plant, to be used in case one of the trucks had a spill, while off-loading. *See*, photograph 8.

Inside of the Bulk Plant, several open containers of material were being stored around the process areas. The containers were not labeled with any words identifying the contents. *See*, photographs 9 through 13.

I then inspected the hazardous waste storage area. One 55-gallon container of hazardous waste was being stored in the hazardous waste storage area, at the time of the inspection. The date on the container was, 2/19/12. An open 5-gallon bucket, storing D001 hazardous waste, was positioned by the 55-gallon container. The bucket did not have a label containing the words, "Hazardous Waste," or containing any words identifying the contents of the bucket. *See*, photographs 14 and 15.

Mr. Shull then escorted us to the used fluorescent light bulb storage area. The boxes containing used fluorescent light bulbs were open and did not contain proper labeling. There also was no date of accumulation associated with the used lamps. *See*, photograph 16.

We then proceeded to the Tank Storage and Staging Area of raw materials. The tank storage area was labeled as, "Hazardous Material." However, several open buckets containing material were being stored within the secondary containment area of this storage area. The buckets did not contain any type of labeling to identify the contents. *See*, photographs 17, 18 and 19.

Lastly, I inspected the WWTU. The WWTU was elevated on a platform and the floor located under the unit was corroded. Several hoses and pipes were in disarray and were difficult to follow. Mr. Mike Marion, WWTU Supervisor, explained to us that Warsaw has a POTW permit to discharge. They treat waste water in the small tanks, adding caustic to adjust the pH. A sump is used to pump the water from the tanks to the discharge pipe. The solids collected from the WWTU are non-hazardous and are shipped to Action Environmental. Mr. Marion also stated that Warsaw was planning on renovating the floor of the WWTU at some point in the near future. *See*, photographs 20 through 22.

The WWTU was the last area to be inspected.

Once the site inspection was completed, we had a closing conference with Mr. Shull. I did not perform a Records Review, since this was an FUI to investigate Warsaw's container storage areas. In addition, Warsaw has re-notified as an SQG and has different records requirements than



they did during the 2006 inspection. However, they still had a contingency plan on-site and they had a training program that was put in place after the 2006 inspection.

#### **CLOSING CONFERENCE:**

I conducted the closing conference with Ms. Roberts and with Mr. Shull. I explained to Warsaw that I would need to review my notes and photographs before making any compliance decisions. I also explained that they would get a copy of my inspection report along with the photo log.

During the closing conference, I made the following recommendations:

- I stated that Warsaw should manage their small containers better. I explained that they need to keep all containers closed, when not adding or removing waste, and that they should label the containers with either the words, "Hazardous Waste," or with words identifying the contents.
- I also recommended that Warsaw properly store and label the universal waste, the used fluorescent light bulbs. I stated that used fluorescent light bulb containers need to be closed and properly labeled. Lastly, I explained that Warsaw also needs to be able to associate a date of accumulation with the used lamps.

We departed Warsaw around 2:30pm.

#### **ATTACHMENT: (1)**

Attachment 1            Photographs taken during the time of the inspection.

#### **ENCLOSURE: (1)**

# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 1  
**Photo Filename** DSCN0291.jpg  
**Date/Time** 6/4/2012  
12:46:28 PM  
**Photographer** Jamie Paulin

### Description

Old Bulk Plant. Raw packaging, boxes and raw material storage.



**Disk Number** 1  
**Photo Number** 2  
**Photo Filename** DSCN0292.jpg  
**Date/Time** 6/4/2012  
12:49:02 PM  
**Photographer** Jamie Paulin

### Description

Outside area, located to the East of the Old Bulk Plant. Warsaw was not aware of what this material actually was.



# Photographs for Warsaw Chemical Co. Inc.

Media: RCRA

**Disk Number** 1  
**Photo Number** 3  
**Photo Filename** DSCN0293.jpg  
**Date/Time** 6/4/2012  
12:51:26 PM  
**Photographer** Jamie Paulin

## Description

Black 7000 gallon tank (EB Tank). The tank was storing ethylene glycol monobutyl ether as a raw material. Two tall rust tanks were no longer in use. Material was being stored for use in the process.



**Disk Number** 1  
**Photo Number** 4  
**Photo Filename** DSCN0294.jpg  
**Date/Time** 6/4/2012  
12:52:04 PM  
**Photographer** Jamie Paulin

## Description

Two tall white, 6000 gallon tanks were storing Hydrochloric Acid, on the right, and Phosphoric Acid, on the left. All materials were being stored for use in the process or in the WWTU.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 5  
**Photo Filename** DSCN0295.jpg  
**Date/Time** 6/4/2012  
12:54:34 PM  
**Photographer** Jamie Paulin

### Description

Acid collection from the tanks. The pipes and the hoses connect from the tanks to the process inside of the building. The collected acid is put back into the WWTU.



**Disk Number** 1  
**Photo Number** 6  
**Photo Filename** DSCN0296.jpg  
**Date/Time** 6/4/2012  
12:56:26 PM  
**Photographer** Jamie Paulin

### Description

Storage of rinse water, antifreeze, Lime Solve, methanol and other types of raw materials in totes, outside on the North side of yard.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 7  
**Photo Filename** DSCN0297.jpg  
**Date/Time** 6/5/2012  
1:01:56 PM  
**Photographer** Jamie Paulin

### Description

Open trailers were being stored in the yard. Empty 55-gallon containers were being stored in the trailer on the right and raw materials were being stored in the trailer on the left.



**Disk Number** 1  
**Photo Number** 8  
**Photo Filename** DSCN0298.jpg  
**Date/Time** 6/5/2012  
1:06:42 PM  
**Photographer** Jamie Paulin

### Description

Open drain located at the truck off-loading area. The drain leads to a sump, inside of the Bulk Plant, on the West side of the facility.



# Photographs for Warsaw Chemical Co. Inc.

Media: RCRA

**Disk Number** 1  
**Photo Number** 9  
**Photo Filename** DSCN0299.jpg  
**Date/Time** 6/5/2012  
1:10:00 PM  
**Photographer** Jamie Paulin

## Description

Open 5-gallon bucket of flammable paint-like material. The bucket did not contain any type of label. An open 55-gallon container was being stored next to the bucket with no label.



**Disk Number** 1  
**Photo Number** 10  
**Photo Filename** DSCN0300.jpg  
**Date/Time** 6/5/2012  
1:10:58 PM  
**Photographer** Jamie Paulin

## Description

Bulk Plant. Several containers were being stored around the totes. Some of the containers were open. Car wash methanol, heptane and hexane were being stored inside of the container.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 11  
**Photo Filename** DSCN0301.jpg  
**Date/Time** 6/5/2012  
1:14:22 PM  
**Photographer** Jamie Paulin

### Description

One tote of Blue Ice, which is used as a tire dressing.



**Disk Number** 1  
**Photo Number** 12  
**Photo Filename** DSCN0302.jpg  
**Date/Time** 6/5/2012  
1:15:52 PM  
**Photographer** Jamie Paulin

### Description

IPA pre-mix. An open 5-gallon bucket on the East side of the Bulk Plant was storing a flammable IPA pre-mix.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 13  
**Photo Filename** DSCN0303.jpg  
**Date/Time** 6/5/2012  
1:19:28 PM  
**Photographer** Jamie Paulin

### Description

An open 5-gallon bucket was storing a pink material. The container did not have a label.



**Disk Number** 1  
**Photo Number** 14  
**Photo Filename** DSCN0304.jpg  
**Date/Time** 6/5/2012  
1:22:38 PM  
**Photographer** Jamie Paulin

### Description

One 55-gallon container of hazardous waste was being stored in the hazardous waste storage area, located in the Bulk Plant. The date on the container was, 2/19/12.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 15  
**Photo Filename** DSCN0305.jpg  
**Date/Time** 6/5/2012  
1:22:48 PM  
**Photographer** Jamie Paulin

### Description

An open 5-gallon bucket, storing D001 material, was positioned by the 55-gallon container. The bucket did not have a label.



**Disk Number** 1  
**Photo Number** 16  
**Photo Filename** DSCN0306.jpg  
**Date/Time** 6/5/2012  
1:46:10 PM  
**Photographer** Jamie Paulin

### Description

Used fluorescent light bulb storage. The boxes were open and there was no proper labeling and no date of accumulation associated with the used lamps.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 17  
**Photo Filename** DSCN0307.jpg  
**Date/Time** 6/5/2012  
1:48:10 PM  
**Photographer** Jamie Paulin

### Description

Open buckets were being stored in the containment areas of the storage and staging areas. The buckets did not contain any type of labeling to identify the contents.



**Disk Number** 1  
**Photo Number** 18  
**Photo Filename** DSCN0308.jpg  
**Date/Time** 6/5/2012  
1:50:10 PM  
**Photographer** Jamie Paulin

### Description

The product tank storage area was labeled as, "Hazardous Material." The open 5-gallon buckets were being stored inside of this wooden wall - the secondary containment area.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 19  
**Photo Filename** DSCN0309.jpg  
**Date/Time** 6/5/2012  
1:50:14 PM  
**Photographer** Jamie Paulin

### Description

The product tank storage area was labeled as, "Hazardous Material." The open 5-gallon buckets were being stored inside of this wooden wall - the secondary containment area.



**Disk Number** 1  
**Photo Number** 20  
**Photo Filename** DSCN0310.jpg  
**Date/Time** 6/5/2012  
2:04:54 PM  
**Photographer** Jamie Paulin

### Description

Floor located under the WWTU. The floor was corroded and hoses and pipes were difficult to follow.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 21  
**Photo Filename** DSCN0311.jpg  
**Date/Time** 6/5/2012  
2:07:32 PM  
**Photographer** Jamie Paulin

### Description

WWTU discharge pipe. Located outside the facility on the East side.



**Disk Number** 1  
**Photo Number** 22  
**Photo Filename** DSCN0312.jpg  
**Date/Time** 6/5/2012  
2:07:38 PM  
**Photographer** Jamie Paulin

### Description

WWTU discharge pipe. Located outside the facility on the East side.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 1  
**Photo Filename** DSCN0291.jpg  
**Date/Time** 6/4/2012  
12:46:28 PM  
**Photographer** Jamie Paulin

### Description

Old Bulk Plant. Raw packaging, boxes and raw material storage.



2nd set  
of photos  
to go to  
facility.  
Thanks!  
Jamie

**Disk Number** 1  
**Photo Number** 2  
**Photo Filename** DSCN0292.jpg  
**Date/Time** 6/4/2012  
12:49:02 PM  
**Photographer** Jamie Paulin

### Description

Outside area, located to the East of the Old Bulk Plant. Warsaw was not aware of what this material actually was.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 3  
**Photo Filename** DSCN0293.jpg  
**Date/Time** 6/4/2012  
12:51:26 PM  
**Photographer** Jamie Paulin

### Description

Black 7000 gallon tank (EB Tank). The tank was storing ethylene glycol monobutyl ether as a raw material. Two tall rust tanks were no longer in use. Material was being stored for use in the process.



**Disk Number** 1  
**Photo Number** 4  
**Photo Filename** DSCN0294.jpg  
**Date/Time** 6/4/2012  
12:52:04 PM  
**Photographer** Jamie Paulin

### Description

Two tall white, 6000 gallon tanks were storing Hydrochloric Acid, on the right, and Phosphoric Acid, on the left. All materials were being stored for use in the process or in the WWTU.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 5  
**Photo Filename** DSCN0295.jpg  
**Date/Time** 6/4/2012  
12:54:34 PM  
**Photographer** Jamie Paulin

### Description

Acid collection from the tanks. The pipes and the hoses connect from the tanks to the process inside of the building. The collected acid is put back into the WWTU.



**Disk Number** 1  
**Photo Number** 6  
**Photo Filename** DSCN0296.jpg  
**Date/Time** 6/4/2012  
12:56:26 PM  
**Photographer** Jamie Paulin

### Description

Storage of rinse water, antifreeze, Lime Solve, methanol and other types of raw materials in totes, outside on the North side of yard.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 7  
**Photo Filename** DSCN0297.jpg  
**Date/Time** 6/5/2012  
1:01:56 PM  
**Photographer** Jamie Paulin

### Description

Open trailers were being stored in the yard. Empty 55-gallon containers were being stored in the trailer on the right and raw materials were being stored in the trailer on the left.



**Disk Number** 1  
**Photo Number** 8  
**Photo Filename** DSCN0298.jpg  
**Date/Time** 6/5/2012  
1:06:42 PM  
**Photographer** Jamie Paulin

### Description

Open drain located at the truck off-loading area. The drain leads to a sump, inside of the Bulk Plant, on the West side of the facility.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 9  
**Photo Filename** DSCN0299.jpg  
**Date/Time** 6/5/2012  
1:10:00 PM  
**Photographer** Jamie Paulin

### Description

Open 5-gallon bucket of flammable paint-like material. The bucket did not contain any type of label. An open 55-gallon container was being stored next to the bucket with no label.



**Disk Number** 1  
**Photo Number** 10  
**Photo Filename** DSCN0300.jpg  
**Date/Time** 6/5/2012  
1:10:58 PM  
**Photographer** Jamie Paulin

### Description

Bulk Plant. Several containers were being stored around the totes. Some of the containers were open. Car wash methanol, heptane and hexane were being stored inside of the container.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 11  
**Photo Filename** DSCN0301.jpg  
**Date/Time** 6/5/2012  
1:14:22 PM  
**Photographer** Jamie Paulin

### Description

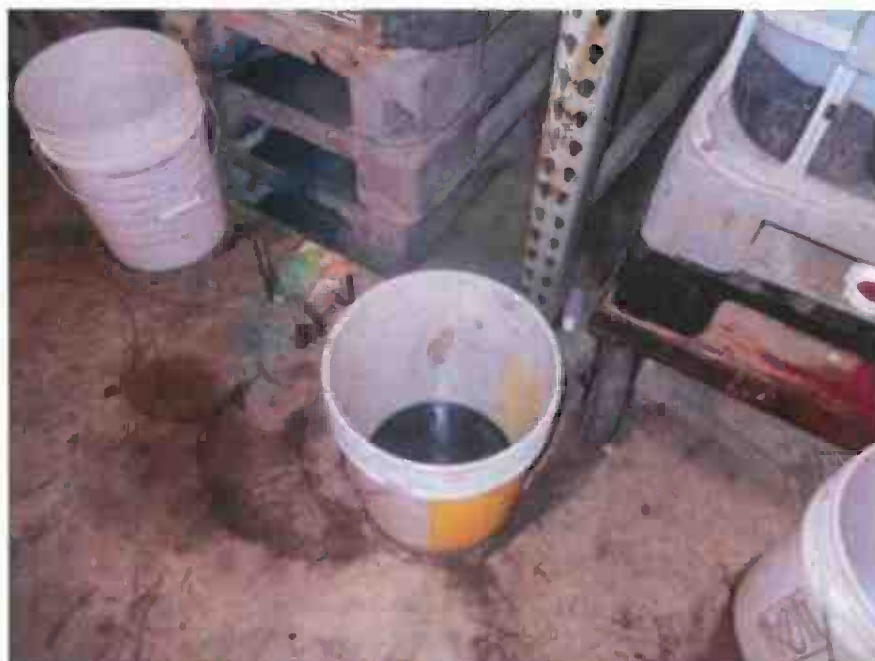
One tote of Blue Ice, which is used as a tire dressing.



**Disk Number** 1  
**Photo Number** 12  
**Photo Filename** DSCN0302.jpg  
**Date/Time** 6/5/2012  
1:15:52 PM  
**Photographer** Jamie Paulin

### Description

IPA pre-mix. An open 5-gallon bucket on the East side of the Bulk Plant was storing a flammable IPA pre-mix.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 13  
**Photo Filename** DSCN0303.jpg  
**Date/Time** 6/5/2012  
1:19:28 PM  
**Photographer** Jamie Paulin

### Description

An open 5-gallon bucket was storing a pink material. The container did not have a label.



**Disk Number** 1  
**Photo Number** 14  
**Photo Filename** DSCN0304.jpg  
**Date/Time** 6/5/2012  
1:22:38 PM  
**Photographer** Jamie Paulin

### Description

One 55-gallon container of hazardous waste was being stored in the hazardous waste storage area, located in the Bulk Plant. The date on the container was, 2/19/12.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 15  
**Photo Filename** DSCN0305.jpg  
**Date/Time** 6/5/2012  
1:22:48 PM  
**Photographer** Jamie Paulin

### Description

An open 5-gallon bucket, storing D001 material, was positioned by the 55-gallon container. The bucket did not have a label.



**Disk Number** 1  
**Photo Number** 16  
**Photo Filename** DSCN0306.jpg  
**Date/Time** 6/5/2012  
1:46:10 PM  
**Photographer** Jamie Paulin

### Description

Used fluorescent light bulb storage. The boxes were open and there was no proper labeling and no date of accumulation associated with the used lamps.





# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

**Disk Number** 1  
**Photo Number** 17  
**Photo Filename** DSCN0307.jpg  
**Date/Time** 6/5/2012  
1:48:10 PM  
**Photographer** Jamie Paulin

### Description

Open buckets were being stored in the containment areas of the storage and staging areas. The buckets did not contain any type of labeling to identify the contents.



**Disk Number** 1  
**Photo Number** 18  
**Photo Filename** DSCN0308.jpg  
**Date/Time** 6/5/2012  
1:50:10 PM  
**Photographer** Jamie Paulin

### Description

The product tank storage area was labeled as, "Hazardous Material." The open 5-gallon buckets were being stored inside of this wooden wall - the secondary containment area.



# Photographs for Warsaw Chemical Co. Inc.

Media: RCRA

**Disk Number** 1  
**Photo Number** 19  
**Photo Filename** DSCN0309.jpg  
**Date/Time** 6/5/2012  
1:50:14 PM  
**Photographer** Jamie Paulin

## Description

The product tank storage area was labeled as, "Hazardous Material." The open 5-gallon buckets were being stored inside of this wooden wall - the secondary containment area.



**Disk Number** 1  
**Photo Number** 20  
**Photo Filename** DSCN0310.jpg  
**Date/Time** 6/5/2012  
2:04:54 PM  
**Photographer** Jamie Paulin

## Description

Floor located under the WWTU. The floor was corroded and hoses and pipes were difficult to follow.



# Photographs for Warsaw Chemical Co. Inc.

## Media: RCRA

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**Disk Number** 1  
**Photo Number** 21  
**Photo Filename** DSCN0311.jpg  
**Date/Time** 6/5/2012  
2:07:32 PM  
**Photographer** Jamie Paulin

### Description

WWTU discharge pipe. Located outside the facility on the East side.



**Disk Number** 1  
**Photo Number** 22  
**Photo Filename** DSCN0312.jpg  
**Date/Time** 6/5/2012  
2:07:38 PM  
**Photographer** Jamie Paulin

### Description

WWTU discharge pipe. Located outside the facility on the East side.





Warsaw Chemical  
U.S. EPA Generator Checklist for Indiana

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6/4/12

**PART 262: Standards Applicable to Generators of Hazardous Waste**

40 CFR		NA = Not Applicable, NI = Not Inspected, OK = In Compliance, DF = Deficiency	NA	NI	OK	DF
<b>GENERAL</b>						
1	262.11	Hazardous Waste Determination (characteristic, listed, TCLP, knowledge, exclusions)				✓
2	262.12(a)	EPA Identification Number (Generator must have ID number)			✓	
3	262.12(c)	Generator must not offer waste to transporters or facilities that have not received ID number.	2			
329 IAC 3.1-7/4-6 & 8 & 11		<b>THE MANIFEST</b>	NA	NI	OK	DF
4	262.20	General Requirements (manifest to approved TSD/alt. TSD, SQG reclaim exemption on file)(all required info)	✓			
5	262.21	Manifest Acquisition (generator state 1st, consignment state 2nd)	✓			
6	262.22	Number of Copies (generator, transporters, TSD, & 1 copy returned to generator)	✓			
7	262.23	Manifest Use (signature & date: generator, transporter, TSD, keep copy)	✓			
8	329 IAC 3.1-7-4	Indiana Manifest required for hazardous waste shipped to Indiana TSD Facilities	✓			
9	329 IAC 3.1-7-6	Manifest copies available for review, submitted copies within 5 days after shipping	✓			
		<b>PRE-TRANSPORT REQUIREMENTS</b>				
		NOTE: If facility treats in < 90 day tanks or containers, see 268.7				
10	262.30, 31, 32, 33	Packaging, Labeling, Marking, Placarding (DOT regulations) (Only apply if waste is in the process of being transported)				✓
		<b>LARGE QUANTITY GENERATORS</b>	NA	NI	OK	DF
11	262.34(a)	90 Day accumulation limit: Generator may accumulate on-site for 90 days or less provided that:				
12	262.34(a)(1)	Waste is placed in tanks, containers, containment building, or drip pad				
13	262.34(a)(2)	Container marked with start of accumulation date				
14	262.34(a)(3)	Container/tank marked "Hazardous Waste"				
15	262.34(b)	30 Day extension				
		<b>SATELLITE CONTAINERS</b>	NA	NI	OK	DF
16	262.34(c)(1)	Satellite accumulation (55 gal. maximum or one (1) quart acutely hazardous)				
17	262.34(c)(i)	i) Container must be closed when not in use, in good condition, and compatible with waste				✓
18	262.34(c)(ii)	ii) marked "Hazardous waste" or other words, at or near process and under control of operator				✓



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19	262.34(c)(2)	If exceed 55 gal., container must be marked with accumulation date and must be removed within 3 days	<input checked="" type="checkbox"/>			<input type="checkbox"/>
<b>SMALL QUANTITY GENERATOR</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
20	262.34(d)(e)(f)	SQG Requirements - 180 days or less (unless transported over 200 miles), quantity of hazardous waste on-site 6000 kg. or less, must follow:			<input checked="" type="checkbox"/>	<input type="checkbox"/>
21	262.34(d)(4)	Containers marked with start of accumulation date and words "Hazardous Waste"			<input checked="" type="checkbox"/>	<input type="checkbox"/>
22	262.34(d)(4)	Must also comply with 265 Subpart C and I. See pages 4 and 5.	<input checked="" type="checkbox"/>			<input type="checkbox"/>
23	262.34(d)(5)	i) Emergency coordinator identified	<input checked="" type="checkbox"/>			<input type="checkbox"/>
24	262.34(d)(5)	ii) Following info posted: emergency coordinator, emergency equipment location, phone numbers	<input checked="" type="checkbox"/>			<input type="checkbox"/>
25	262.34(d)(5)	iii) Employees must be familiar with handling and emergency procedures	<input checked="" type="checkbox"/>			<input type="checkbox"/>
26	262.34(d)(5)	iv) Respond to emergencies	<input checked="" type="checkbox"/>			<input type="checkbox"/>
<b>RECORD KEEPING</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
27	262.40	RECORD KEEPING (3 yrs. for copy from manifests, TSD, biennial report, exception report, test results, waste analysis/determination, extension time for unresolved enforcement.)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
28	262.41	Biennial Report (due March 1 even numbered years) (LQG ONLY)			<input checked="" type="checkbox"/>	<input type="checkbox"/>
29	262.42	Exception Reporting (LQG: >35 days, if no return copy of manifest, contact TSD: >45 days report to IDEM, (SQG: >60 days) transportation report to IDEM)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
30	262.43	Additional Reporting , if required by Commissioner (concerning quantities and disposition of wastes in 40 CFR 261)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
31	262.44	SQG Recordkeeping Requirements (keep records for 3 years: manifests, exceptions, waste determination/analysis)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
<b>EXPORTS</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
32	262.52	General Requirements (notify EPA, accepted by receiving country, EPA consent)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
33	262.53	Notification of Intent to Export	<input checked="" type="checkbox"/>			<input type="checkbox"/>
34	262.54	Special Manifest Requirements for Primary Exporters	<input checked="" type="checkbox"/>			<input type="checkbox"/>
35	262.55	Exception Reports (>45 days from US departure, >90 days from receipt by foreign source/waste returned to US)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
36	262.56	Annual Reports (March 1 annually for waste: types, quantity, frequency, destination, waste reduction send to EPA)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
37	262.57	RECORD KEEPING (3 years for intent to export, EPA acknowledgments, confirmation of delivery, and annual reports)	<input checked="" type="checkbox"/>			<input type="checkbox"/>
<b>IMPORTS OF HAZARDOUS WASTE</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
38	262.60	Hazardous Waste Imports (use consignment state's manifest)	<input checked="" type="checkbox"/>			<input type="checkbox"/>

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		<b>TSD STANDARDS APPLIABLE TO GENERATORS</b>	NA	NI	OK	DF
		<b>GENERAL FACILITY STANDARDS (NA for SQG)</b>				
39	262.34 / 265.16(a)	Personnel Training (Program Adequacy)	✓			
40	262.34 / 265.16(b)	Personnel received training within six (6) months	✓			
41	262.34 / 265.16(c)	Personnel received annual review	✓			
42	262.34 / 265.16(d)	Training Documents: job titles, job description, type of training, training records	✓			
		<b>PREPAREDNESS AND PREVENTION</b>	NA	NI	OK	DF
43	262.34 / 265.31	Maintenance & Facility Operation(must be maintained & operated to minimize possibility of release)				✓
44	262.34 / 265.32	Required Equipment (a. Internal alarm/communication system b. External/telephone communication c. Fire extinguishers and spill control equipment d. water/foam)	✓			
45	262.34 / 265.33	Testing & Maintenance of Equipment	✓			
46	262.34 / 265.34	Communication & Alarm Access	✓			
47	262.34 / 265.35	Required Aisle Space (to allow movement of spill control and emergency equipment and inspections)	✓			
48	262.34 / 265.37	Local Authority Arrangements (police, fire, hospital)	✓			
		<b>CONTINGENCY PLAN &amp; EMERGENCY PROCEDURES (NA for SQG)</b>	NA	NI	OK	DF
49	262.34 / 265.51	Contingency Plan for Facility	✓			
50	262.34 / 265.52	Contingency Plan Content (SPCC plan, local arrangements, emergency coordinator, equipment list, evacuation plan, etc.)	✓			
51	262.34 / 265.53	Contingency Plan Available (on-site, local distribution)	✓			
52	262.34 / 265.54	Contingency Amendments (when regulations change, if plan fails, when facility makes changes)	✓			
53	262.34 / 265.55	Emergency Coordinator available	✓			
54	262.34 / 265.56	Emergency Procedures followed	✓			
		<b>USE &amp; MANAGEMENT OF CONTAINERS</b>	NA	NI	OK	DF
55	262.34 / 265.171	Container Condition (If not in good condition or leaking, must transfer waste or manage in some other way)	✓			

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56	262.34 / 265.172	Waste Compatibility with Container	✓			
57	262.34 / 265.173	Container Management (closed/manged to prevent leaks)	✓			
58	262.34 / 265.174	Inspections (weekly)	✓			
59	262.34 / 265.176	Ignitable/Reactive Waste (50 ft. set back)	✓			
60	262.34 / 265.177	Special Requirements for Incompatible Waste (physical separation/container compatibility)	✓			
<b>LAND DISPOSAL RESTRICTIONS</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
61	268.3	Dilution prohibited as substitute for adequate treatment	✓			
62	268.7	Waste Analysis, Recordkeeping (LDR Notifications: waste code, whether it is a wastewater or non-wastewater, waste constituents to be monitored if monitoring will not include all regulated constituents, subcategory if applicable, and manifest number.)	✓			
63	268.7 (a)(4)	Treatment in 90-day tanks/containers requires waste analysis plan and testing frequency, filed with Regional Administrator (IDEM), certification of shipment, retained copies on-site (5 yrs.), notifications include: EPA ID #, treatment standards with 5 letter code, and manifest number	✓			
64	268.7(a)(7)	Notifications must be kept on-site for five (5) years	✓			
65	268.9	Listed and characteristic waste codes assigned for listed waste exhibiting characteristic	✓			
66	268.42	Alternative treatment specified for lab packs, mixed waste: most stringent standards	✓			
67	268.45	Treatment standards for hazardous debris	✓			
<b>OTHER</b>			<b>NA</b>	<b>NI</b>	<b>OK</b>	<b>DF</b>
68	IC 13-30	Release of contaminants to environment	2.			
69	IAC 3.1-7-8	Facility has waste minimization program as certified on manifest			✓	
70	IC 13-30-2-1 (9)	Does facility have any processes or activities (e.g. waste piles, incinerators, land disposal) which require a permit or interim status? If so, please identify below:	2.			