INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov
Eric J. Holcomb, *Governor*
Brian C. Rockensuess, *Commissioner*

VIA ELECTRONIC MAIL June 28, 2024

Timothy Carter, Executive Vice President
Aisin Chemical Indiana, LLC
1004 Industrial Way
Crothersville, IN 47229

Dear Mr. Carter:

Re: Final IWP Permit No. INP000641
Aisin Chemical Indiana, LLC
Crothersville, IN - Jackson County

Your application for an Industrial Wastewater Pretreatment (IWP) Permit has been processed in accordance with the Indiana Department of Environmental Management's (IDEM) permitting authority under IC 13-15 (formerly IC 13-7-10) and the provisions of 327 IAC 5-21. The enclosed IWP permit covers the discharge from your facility into the Town of Crothersville Publicly Owned Treatment Works. All discharges from this facility shall be consistent with the terms and conditions of this permit.

One condition of your permit requires periodic reporting of several effluent parameters. You are required to submit both federal discharge monitoring reports (DMRs) and state Monthly Monitoring Reports (MMRs) on a routine basis. The MMR form is available on the internet at the following web site: https://www.in.gov/idem/cleanwater/wastewater-compliance/wastewater-reporting-forms-notices-and-instructions/.

Once you are on this page, select the “IDEM Forms” page and locate the “Monthly Monitoring Report (MMR) for Industrial Discharge Permits-30530” under the Wastewater Facilities heading. We recommend selecting the “XLS” version because it will complete all of the calculations when you enter the data.

All NPDES permit holders are required to submit their monitoring data to IDEM using NetDMR. Information on NetDMR is available on the IDEM website at https://www.in.gov/idem/cleanwater/resources/netdmr/.

Another condition, which needs to be clearly understood, concerns violation of the effluent limitations in this permit. Exceeding the limitations constitutes a violation of the permit and may subject the permittee to criminal or civil penalties. See Part II.B.8 of this permit for further details. It is very important for your office and treatment plant operator to understand this part of the permit.

The draft IWP permit for Aisin Chemical Indiana, LLC, was made available for public comment from April 26, 2024, through May 28, 2024, as part of Public Notice No. 20240426-INP000641-D on IDEM's website at https://www.in.gov/idem/public-notices/public-notices-all-regions/. During this comment period, no comment letters were received.

It should also be noted that any appeal must be filed under procedures outlined in IC 13-15-6, IC 4-21.5, and the enclosed Public Notice. The appeal must be initiated by filing a petition for administrative review with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the emailing of an electronic copy of this letter or within eighteen (18) days of the mailing of a certified copy of this letter by filing at the following addresses:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room N103
100 North Senate Avenue
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, Indiana 46204

If you have any questions concerning the permit, please contact Alyce Klein at (317) 233-6728 or by email at aklein@idem.in.gov. More information on the appeal review process is available at the website for the Office of Environmental Adjudication at http://www.in.gov/oea.

Sincerely,

Jerry Dittmer, Chief
Permits Branch
Office of Water Quality

Enclosures
cc: Jackson County Health Department
Corey McNew, Group Manager – Compliance, Aisin Chemical Indiana, LLC
Mason Boicourt, Crothersville POTW
IDEM Southeast Regional Office
Leigh Voss, IDEM
Cristina Sandlin, IDEM Inspector
Chief, Permits Section, U.S. EPA, Region 5

STATE OF INDIANA

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AUTHORIZATION TO DISCHARGE UNDER THE
INDUSTRIAL WASTEWATER PRETREATMENT PROGRAM

INDUSTRIAL WASTEWATER PRETREATMENT (IWP) PERMIT

In accordance with 327 IAC 5-21 and IDEM's permitting authority under IC 13-15, **Aisin Chemical Indiana, LLC** (hereinafter referred to as the permittee) is authorized to discharge from the facility located at 1004 Industrial Way, Crothersville, Indiana, into the **Town of Crothersville Publicly Owned Treatment Works** (POTW), in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

EFFECTIVE DATE: November 1, 2024

EXPIRATION DATE: October 31, 2029

NOTE: In order to receive authorization to discharge beyond the date of expiration, the permittee must submit a renewal IWP permit application to the Industrial NPDES Permit Section in the Office of Water Quality, no later than one hundred and eighty (180) days prior to the date this permit expires. Failure to do so will result in the expiration of the authorization to discharge.

Issued on June 28, 2024 for the Indiana Department of Environmental Management.

Jerry Dittmer, Chief
Permits Branch
Office of Water Quality

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit, the permittee is authorized to discharge from Outfall 001[1][2]. Outfall 001 is located after the pretreatment system, prior to discharge to the POTW. Such discharge shall be limited and monitored by the permittee as specified below:

Table 1

	Discharge Limitations		Monitoring Requirements		
Parameter[3]	**Daily Maximum**	**Monthly Average**	**Unit**	**Measurement Frequency**	**Sample Type [4]**
Flow [5]	Report	Report	MGD	1 X Daily	24-Hr. Total
BOD_5	200[6]	Report	mg/l	1 X Weekly	24-Hr. Comp.
TSS	200[6]	Report	mg/l	1 X Weekly	24-Hr. Comp.
Zinc	4.0[6]	Report	mg/l	1 X Weekly	24-Hr. Comp.
Aluminum	Report	Report	mg/l	1 X Weekly	24-Hr. Comp.
Oil & Grease	100[6]	Report	mg/l	1 X Weekly	Grab

Table 2

	Quality or Concentration		Monitoring Requirements		
Parameter	**Daily Minimum**	**Daily Maximum**	**Units**	**Measurement Frequency**	**Sample Type**
pH[7]	5.0[6]	9.5[6]	s.u.	1 X Daily	Grab

[1] Outfall 001 shall be designated as the combined waste streams at the point of discharge to the POTW.

[2] The discharge shall not exceed the local limits in the Sewer Use Ordinance upon entering the POTW.

[3] All metals shall be analyzed as Total Recoverable Metals.

[4] A “24-hour composite sample” means a sample consisting of at least 3 individual flow-proportional samples of wastewater, consisting of aliquots withdrawn throughout the 24-hour discharge period. The aliquots may be: (i) uniform aliquots withdrawn at uniform flow intervals; (ii) flow-proportional aliquots withdrawn at uniform time intervals; or (iii) for batch discharge, uniform aliquots withdrawn from uniform batch volumes. A flow-proportioned composite sample may be obtained by:

(1) recording the discharge flow rate at the time each individual sample is taken,
(2) adding together the discharge flow rates recorded from each individual sampling time to formulate the “total flow” value,

(3) the discharge flow rate of each individual sampling time is divided by the total flow value to determine its percentage of the total flow value,
(4) then multiply the volume of the total composite sample by each individual sample's percentage to determine the volume of that individual sample which will be included in the total composite sample.

Alternatively, a 24-hour composite sample may be obtained by an automatic sampler on an equal time interval basis over a twenty-four hour period provided that a minimum of 24 samples are taken and combined prior to analysis. The samples do not need to be flow-proportioned if the permittee collects samples in this manner.

[5] The flow must be measured and recorded using valid flow measurement devices, not estimated. The flow monitoring device must be calibrated at least once every twelve (12) months.

[6] Based on local ordinance [Crothersville Sewer Use Ordinance No. 2015-2 (adopted August 4, 2015)].

[7] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Monitoring Report form.

2. ADDITIONAL DISCHARGE PROHIBITIONS

The permittee shall not allow the introduction of the following into the POTW from any location, including Outfall 001:

a. A pollutant from any source of nondomestic wastewater that could pass through or cause interference with the operation or performance of the POTW.

b. A pollutant that could create a fire or explosion hazard in the POTW, including waste streams with a closed cup flashpoint of less than 140^{o} F degrees Fahrenheit (60^{o} C) using the test methods in 40 CFR 261.21.

c. A pollutant that could cause corrosive structural damage to the POTW, including a discharge with pH lower than five (5.0), unless the POTW is specifically designed to accommodate such a discharge.

d. A solid or viscous pollutant in an amount that could cause obstruction to the flow in a sewer or other interference with the operation of the POTW.

e. A pollutant, including an oxygen demanding pollutant (such as biochemical oxygen demand) released in a discharge at a flow rate or pollutant concentration that could cause interference in the POTW.

f. Heat in an amount that could:
(1) inhibit biological activity in the POTW and result in interference or damage to the POTW; or

(2) exceed 40° C or 104° F at the POTW treatment plant unless the commissioner, upon request of the POTW, approves alternate temperature limits.

g. Petroleum, oil, non-biodegradable cutting oil, or products of mineral oil origin in an amount that could cause interference or pass through.

h. A pollutant that could result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

i. A trucked or hauled pollutant, except:

(1) with the permission of the POTW; and

(2) when introduced to the POTW at a discharge point designated by the POTW.

3. AFFIRMATIVE DEFENSE

The permittee shall have an affirmative defense in any action brought against the permittee alleging a violation of the prohibitions established in Part I.A.2 of this permit if the permittee can demonstrate that:

a. it did not know or have reason to know that its discharge, alone or in conjunction with a discharge from another source, would cause pass through or interference; and

b. a local limit designed to prevent pass through or interference in accordance with Part I.A.2 of this permit:

(1) was developed for each pollutant in the permittee's discharge that caused pass through or interference, and the permittee was in compliance with each such local limit directly prior to and during the pass-through or interference; or

(2) was not developed for the pollutant that caused the pass through or interference, and the permittee's discharge, directly prior to and during the

pass through or interference, had not changed substantially in nature or constituents from its usual discharge condition when the POTW was regularly in compliance with the applicable:

(A) NPDES permit requirements; and

(B) requirements for sewage sludge use or disposal, in the case of interference.

B. DEFINITIONS

1. Daily Discharge

The total mass of a pollutant discharged during the calendar day or, in the case of a pollutant limited in terms other than mass pursuant to 327 IAC 5-2-11(e), the average concentration or other measurement of the pollutant specified over the calendar day or any twenty-four (24) hour period that reasonably represents the calendar day for the purposes of sampling.

2. Daily Maximum (Discharge) Limitation

The maximum allowable daily discharge for any calendar day.

3. Monthly Average Discharge (Average Monthly Discharge)

The total mass or flow-weighted concentration of all daily discharges sampled or measured during a calendar month on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during such month.

4. Monthly Average (Discharge) Limitation

The highest allowable average monthly discharge for any calendar month.

5. Interference

a. "Interference" means a discharge that, alone or in conjunction with a discharge or discharges from other sources inhibits or disrupts the:

(1) treatment processes or operations;

(2) sludge processes; or

(3) selected sludge:

(A) use; or

(B) disposal methods;

of a POTW.

b. The inhibition or disruption under subsection (a) must:

(1) cause a violation of a requirement of the POTW's NPDES permit, including an increase in the magnitude or duration of a violation; or

(2) prevent the use of the POTW's sewage sludge or its sludge disposal method selected in compliance with the following statutory provisions, regulations, or permits issued thereunder or more stringent state or local regulations:

(A) Section 405 of the Clean Water Act (33 U.S.C. 1345).

(B) The Solid Waste Disposal Act (SWDA) (42 U.S.C. 6901), including:

(i) Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA); and
(ii) the rules contained in a state sludge management plan prepared pursuant to Subtitle D of the SWDA (42 U.S.C. 6941).

(C) The Clean Air Act (42 U.S.C. 7401).

(D) The Toxic Substances Control Act (15 U.S.C. 2601).

6. Pass-through

"Pass through" means a discharge proceeding through a POTW into waters of the state in quantities or concentrations that, alone or in conjunction with a discharge or discharges from other sources, are a cause of a violation of any requirement of the POTW's NPDES permit, including an increase in the magnitude or duration of a violation.

7. Pretreatment requirements

"Pretreatment requirements" means any substantive or procedural requirement related to pretreatment, other than a pretreatment standard, imposed on an industrial user.

8. Pretreatment standards

"Pretreatment standards" means:

a. state pretreatment standards as established in 327 IAC 5-18-8;

b. pretreatment standards for prohibited discharges, as established in 327 IAC 5-18-2; and

c. national categorical pretreatment standards incorporated by reference in 327 IAC 5-2-1.5.

9. Publicly Owned Treatment Works ("POTW")

A treatment works as defined by Section 212(2) of the Clean Water Act owned by the State or a municipality (as defined by Section 502(4) of the Clean Water Act), except that it does not include pipes, sewers or other conveyances not connected to a facility providing treatment. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or compatible industrial wastes. The term also includes sewers, pipes, and other conveyances only if they convey wastewater to a POTW treatment plant. "POTW" also means the municipality, as defined in Section 502(4) of the Clean Water Act, that has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the entire permitted discharge.

2. Reporting

The permittee shall submit monitoring reports to the Indiana Department of Environmental Management and the Town of Crothersville containing results obtained during the previous month and shall be submitted no later than the 28th day of the month following each completed monitoring period. The first report shall be submitted by the 28th day of the month following the month in which this permit becomes effective. These reports shall include, but not necessarily be limited to, the Discharge Monitoring Report (DMR) and the Monthly Monitoring Report (MMR). All reports shall be submitted electronically by using the NetDMR application, upon registration, receipt of the NetDMR Subscriber Agreement, and IDEM approval of the proposed NetDMR Signatory. Access the NetDMR website (for initial registration and DMR/MMR submittal) via CDX at: https://cdx.epa.gov/.

If the Town of Crothersville is agreeable to receiving an electronic version of the monthly reports, copies can be sent to the Town of Crothersville via NetDMR. An acceptable email address for the Town of Crothersville must be provided to IDEM's Compliance Data Section. Any non-NetDMR reports sent to the Town of Crothersville shall be sent to the following:

Certified Operator
Town of Crothersville
500 S. Bethany Rd.
Crothersville, IN 47229

The permittee shall also comply with the applicable reporting requirements of 40 CFR 403.12.

3. Monitoring Results

Requirements for test procedures shall be as follows:

a. Test procedures identified in 40 CFR 136 shall be utilized for pollutants or parameters listed in that part unless an alternative test procedure has been approved under 40 CFR 136.5.

b. Where no test procedure under 40 CFR 136 has been approved, analytical work shall be conducted in accordance with the most recently approved edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association (APHA) or as otherwise specified by the commissioner in the IWP permit.

c. Notwithstanding subdivision a., the commissioner may specify in a permit the test procedure specified in a standard or effluent limitation guideline.

4. Recording of the Monitoring Results

For each measurement or sample taken pursuant to the requirements of this permit, including the additional monitoring described under Part I.C.5., below, the permittee shall maintain records of all monitoring information and monitoring activities, including:

a. The date, exact place and time of sampling or measurement;

b. The person(s) who performed the sampling or measurements;

c. The date(s) analyses were performed;

d. The person(s) who performed the analyses;

e. The analytical techniques or methods used; and

f. The results of such measurements and analyses.

5. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Monthly Monitoring Report and the Discharge Monitoring Report. Such increased frequency shall also be indicated.

6. Records Retention

a. All records of monitoring activities and results required by this permit (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records) shall be retained at the permitted facility for a minimum of three (3) years. The three-year period shall be extended:

(1) automatically during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or regarding promulgated effluent guidelines applicable to the permittee; or

(2) as requested by the commissioner.

b. The permittee shall maintain and make available to IDEM, the regional administrator, and the Town of Crothersville personnel, records of disposal of all wastewater generated at the site. Such records shall include, but not be limited to, flow monitoring records, flow calibration records, and the volume and destination of all wastewater hauled off-site.

7. Additional Reporting Requirements

a. In accordance with 327 IAC 5-16-5(g), all categorical and noncategorical industrial users shall notify the POTW immediately of all discharges that could cause problems to the POTW, including any slug loadings as defined by 40 CFR 403.5(b).

b. In accordance with 327 IAC 5-16-5(h)(2), if sampling performed by an industrial user indicates a violation, the industrial user shall notify the control authority within twenty-four (24) hours of becoming aware of the violation. The industrial user shall also repeat the sampling and analysis and submit the results of the repeat analysis to the control authority within thirty (30) days after becoming aware of the violation.

Where the control authority has performed the sampling and analysis in lieu of the industrial user, the control authority shall perform the repeat sampling and analysis unless it notifies the industrial user of the violation and requires the industrial user to perform the repeat analysis. Resampling is not required if the control authority performs sampling at the industrial user:

(1) at a frequency of at least once per month; or

(2) between the time when the initial sampling was conducted and the time when the industrial user or the control authority receives the results of this sampling.

D. REOPENING CLAUSE

This permit shall be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under Section 307(b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Control any pollutant not limited in the permit.

The permit, as modified or reissued und er this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

A. RESPONSIBILITIES

1. Duty to Comply

The permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and the Environmental Management Act (EMA) and is grounds for:

a. enforcement action;

b. permit termination, revocation and reissuance, or modification; or

c. denial of a permit renewal application.

A permittee may claim an affirmative defense to a permit violation, however, if the circumstances of the noncompliance meet the criteria of an upset as defined in Part II.A.7, the provisions of Part I.A.3, or any defense as provided by local ordinance.

2. Right of Entry

The permittee shall allow the Commissioner of the Indiana Department of Environmental Management or the Commissioner's authorized representatives (including an authorized contractor acting as a representative of the Commissioner), upon the presentation of the credentials and such other documents as may be required by law:

a. to enter upon the permittee's premises where a point source is located or where any records must be kept under the terms and conditions of this permit;

b. to have access to and copy at reasonable times any records that must be kept under the terms and conditions of this permit;

c. to inspect, at reasonable times:

(1) any monitoring equipment or method;

(2) any collection, treatment, pollution management, or discharge facilities; or

(3) practices required or otherwise regulated under the permit; and

d. to sample or monitor, at reasonable times, any discharge of pollutants or internal wastestream (where necessary to ascertain the nature of a discharge of pollutants) for the purpose of evaluating compliance with the permit or as otherwise authorized.

3. Change in Discharge

If the permittee intends to add a pollutant not limited by this permit or increase discharge of a pollutant limited by this permit, the permittee must notify the receiving POTW and apply for a permit modification from the commissioner prior to commencing discharge containing the additional pollutant. The application for permit modification must:

a. be completed on a form prescribed by the commissioner;

b. be signed in accordance with 327 IAC 5-2-22(a); and

c. be submitted to the commissioner no later than 120 days prior to the date that the permittee intends to commence discharge containing the additional pollutant.

4. Duty to Mitigate Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the POTW or to waters of the State resulting from noncompliance with the IWP permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the non-complying discharge.

5. Noncompliance Notification

a. If the permittee does not or will not be able to comply for any reason with any discharge limitation specified in this permit, the permittee shall provide the Indiana Department of Environmental Management and the Town of Crothersville with the following information in writing, within twenty-four (24) hours of becoming aware of the noncompliance.

(1) a description of the discharge and cause of noncompliance.

(2) the period of noncompliance, including exact dates and times of the noncomplying event and the anticipated time when the discharge will return to compliance.

(3) steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.

The permittee may email the written notification of noncompliance to IDEM at wwreports@idem.in.gov.

b. If the permittee has any unexpected, unintended, abnormal, or unapproved discharge from the facility into the POTW, the permittee shall comply with the spill reporting and response requirements contained in 327 IAC 2-6.1-7, including the requirement to report the discharge to IDEM and to the receiving POTW within two hours of discovery of the discharge.

6. Spills, Reporting, Containment, and Response

Notwithstanding the permittee's obligations under Part II.A.5 of this permit, the permittee shall comply with the spill reporting, containment, and response requirements in accordance with 327 IAC 2-6.1, as applicable.

7. Upset

a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with any pretreatment standards or requirements in 327 IAC 5-2 because of factors beyond the reasonable control of the permittee. An upset does not include:

(1) noncompliance to the extent caused by operational error;

(2) improperly designed treatment facilities;

(3) inadequate treatment facilities;

(4) lack of preventive maintenance; or

(5) careless or improper operation.

b. An upset shall constitute an affirmative defense to an action brought for noncompliance with the pretreatment standards or requirements if the requirements of subsection (c) are met.

c. In order to establish an affirmative defense of upset, the permittee must provide properly signed, contemporaneous operating logs, or other relevant evidence of the following facts:

(1) An upset occurred and the permittee can identify the cause of the upset.

(2) The facility was being operated at the time in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures.

(3) The permittee submitted a report, to the POTW and control authority, within twenty-four (24) hours of becoming aware of the upset or within five (5) days, if an initial verbal report of the information is given to the required authority, and the report contained the following information:

(A) A description of the indirect discharge and cause of noncompliance.

(B) The period of noncompliance, including exact dates and times or the anticipated time the noncompliance is expected to continue if it is not corrected.

(C) Steps being taken or planned for reducing, eliminating, and preventing recurrence of the noncompliance.

d. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e In the usual exercise of prosecutorial discretion, the control authority may review any claims that noncompliance was caused by an upset. No determinations made in the course of the review constitute the commissioner's final action subject to judicial review. The permittee will have the opportunity for a judicial determination on any claim of upset only in an enforcement action brought for noncompliance with the pretreatment standards or requirements.

f. The permittee shall control production or all discharges to the extent necessary to maintain compliance with the pretreatment standards or requirements upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies when, among other things, the primary source of power of the treatment facility is reduced, is lost, or has failed.

8. <u>Bypass</u>

a. The following definitions apply throughout this permit:

(1) "Bypass" means the intentional diversion of waste streams from any portion of a permittee's treatment facility.

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that

can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. The permittee may allow a bypass to occur if:

(1) it does not cause a violation of any pretreatment standard or requirement including discharge limitations contained in this permit; and

(2) it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II.A.8.c. and Part II.A.8.d. of this permit.

c. The reporting requirements for a bypass are as follows:

(1) If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the control authority, if possible, at least ten (10) days before the date of the bypass.

(2) If an unanticipated bypass exceeds a pretreatment standard or requirement including discharge limitations contained in this permit, the permittee shall give oral notice to the control authority within twenty-four (24) hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided to IDEM within five (5) days of the time the permittee becomes aware of the bypass. The written submission must contain the following:

(A) A description of the bypass and its cause.

(B) The duration of the bypass, including exact dates and times and the anticipated time it is expected to continue if the bypass has not been corrected.

(C) The steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.

d. Bypass is prohibited, and an enforcement action may be taken against the permittee for a bypass unless the following are demonstrated:

(1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.

(2) There were no feasible alternatives to the bypass, such as any of the following:

(A) The use of auxiliary treatment facilities.

(B) Retention of untreated wastes.

(C) Maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventative maintenance.

(3) The permittee submitted notices as required under Part II.A.8.c.

(4) A planned bypass is approved in advance by IDEM after determining that the bypass will not violate Part II.A.8.d.(1) through (3).

9. Facilities Operation and Maintenance

The permittee shall at all times maintain in good working order and efficiently operate all facilities or systems (and related appurtenances) for collection and treatment that are installed or used by the permittee and necessary for achieving compliance with the terms and conditions of this permit in accordance with 327 IAC 5-2-8(9).

This provision does not act as an independent source of authority to set effluent limitations. Such limitations will be based on the design removal rates of installed treatment facilities only as required under this article. Nor should this provision be construed to require the operation of installed treatment facilities that are unessential for achieving compliance with the terms and conditions of the permit.

10. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in compliance with applicable Indiana statutes and rules, including any applicable portions of 327 IAC 6.1 and 329 IAC 10.

11. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit; or

b. upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

12. Wastewater Treatment Plant and Certified Operators

Pursuant to IC 13-18-11-11 and 327 IAC 5-23-6, a permittee's wastewater treatment plant must be under the responsible charge of an operator certified by the Commissioner in a classification corresponding to the classification of the wastewater treatment plant as determined under 327 IAC 5-23-4.
A certified operator may be designated as being in responsible charge of more than one (1) wastewater treatment plant if the requirements under 327 IAC 5-23-7(b) are met. "Operator in responsible charge" is defined at 327 IAC 5 23-2(16).

Pursuant to 327 IAC 5-23-6(4)(A), the permittee shall notify IDEM when there is a change in the person serving as the certified operator in responsible charge of the wastewater treatment facility. The notification shall be made no later than thirty (30) days after a change in the operator and submitted via e-mail to the Compliance Data Section of the Office of Water Quality at WWReports@idem.IN.gov.

13. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facility except in accordance with 327 IAC 3 and IC 13-14-8-11.6. Upon completion of any construction, the permittee must notify the Compliance Evaluation Section of the Office of Water Quality in writing.

14. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

B. ADDITIONAL RESPONSIBILITIES

1. Effect of Permit Issuance

This permit does not affect any pretreatment requirements, including any standards or prohibitions, established by local ordinance of the Town of Crothersville.

2. Permit Renewal

   If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new IWP permit. An application for an IWP permit must conform to the following:

   a. Be completed on a form prescribed by the commissioner;

   b. Be signed in accordance with 327 IAC 5-2-22(a);

   c. Be submitted to the commissioner no later than one hundred eighty (180) days prior to the expiration date of an existing permit if the industrial user intends to continue discharging to the POTW.

3. Permit Modification

   This permit may be modified in whole or in part, revoked and reissued, or terminated during its term for cause in accordance with the pertinent provisions of 327 IAC 5-2-16. The permittee must:

   a. report to the commissioner plans for or information about any activity that has occurred or will occur that would constitute cause for modification or revocation and reissuance;

   b. comply with the existing IWP permit until it is modified or reissued; and

   c. abide by the commissioner's decision:

      (1) to modify or revoke and reissue the permit; and

      (2) require submission of a new application as required by 327 IAC 5-21-3.

4. Permit Transferability

   a. A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued under 327 IAC 5-2-16(c)(1) or 16(e)(4), to identify the new permittee and incorporate such other requirements as may be necessary under the CWA. A permit may be transferred to another person by a permittee, without modification or revocation and reissuance being required, if the following occurs:

      (1) The current permittee notifies the commissioner at least thirty (30) days in advance of the proposed transfer date.

      (2) A written agreement containing a specific date for transfer of permit responsibility and coverage between the current permittee and the transferee

(including acknowledgment that the existing permittee is liable for violations up to that date, and that the transferee is liable for violations from that date on) is submitted to the commissioner.

(3) The transferee certifies in writing to the commissioner intent to operate the facility without making such material and substantial alterations or additions to the facility as would significantly change the nature or quantities of pollutants discharged and thus constitute cause for permit modification under 327 IAC 5-2-16(d) . However, the commissioner may allow a temporary transfer of the permit without permit modification for good cause, e.g., to enable the transferee to purge and empty the facility's treatment system prior to making alterations, despite the transferee's intent to make such material and substantial alterations or additions to the facility.

(4) The commissioner, within thirty (30) days, does not notify the current permittee and the transferee of the intent to modify, revoke and reissue, or terminate the permit and to require that a new application be filed rather than agreeing to the transfer of the permit.

5. Signature Requirements

a. The reports required by Part I.C.2 of this Permit must be signed by one (1) of the following:

(1) A responsible corporate officer. As used in this subdivision, "responsible corporate officer" means:

(A) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(B) The manager of one (1) or more manufacturing, production, or operating facilities provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty to make major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) A general partner or proprietor or manager if the industrial user submitting the reports is a partnership or sole proprietorship, respectively.

(3) A duly authorized representative of the individual designated in either Part II.B.5.a.(1)(A) or Part II.B.5.a.(1)(B) of this permit if:

(A) the authorization is made in writing by the individual described in either Part II.B.5.a.(1)(A) or Part II.B.5.a.(1)(B) of this permit;

(B) the authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the industrial discharge originates, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

(C) the written authorization is submitted to the commissioner.

(4) If an authorization under subdivision (3) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of subdivision (3) must be submitted to the commissioner prior to or together with any reports to be signed by an authorized representative.

b. A report required by this section that relates to the actual operation of or discharge from a pretreatment facility must be prepared by or under the direction of a wastewater treatment plant operator certified under IC 13-18-11, if a certified operator is required.

6. Penalties for False Reporting

In accordance with 327 IAC 5-2-8(15), Section 309(c)(4) of the Clean Water Act (U.S.C. 1319(c)(4)) provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than ten thousand dollars ($10,000) per violation, or by imprisonment for not more than one hundred eighty (180) days per violation, or by both.

IC 13-30-10-1 provides that a person who knowingly or intentionally renders inaccurate or inoperative a recording device or a monitoring device required to be maintained by a permit issued by the department commits a class B misdemeanor.

7. Penalties for Tampering or Falsification

In accordance with 327 IAC 5-2-8(10), Section 309(c)(4) of the Clean Water Act (33 U.S.C. 1319(c)(4)) provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under a permit shall, upon conviction, be punished by a fine of not more than ten thousand dollars ($10,000) per violation, or by imprisonment for not more than one hundred eighty (180) days per violation, or by both.

IC 13-30-10-1 provides that a person who knowingly or intentionally renders inaccurate or inoperative a recording device or a monitoring device required to be maintained by a permit issued by the department commits a class B misdemeanor.

8. Enforcement

a. A violation of the pretreatment rules may:

(1) subject a person causing or contributing to the violation to administrative or judicial enforcement proceedings, under IC 13-30-3, and the penalties provided under IC 13-30-4;

(2) be cause for:

(A) modification;

(B) revocation and reissuance; or

(C) termination;

of the industrial wastewater pretreatment permit; and

(3) warrant the invocation of emergency procedures under IC 13-14-10.

b. The initiation of any action in response to a violation of the pretreatment rules does not preclude initiation of any other response.

c. A violation of the pretreatment rules includes the following:

(1) The indirect discharge of pollutants in contravention of an applicable pretreatment standard or other applicable discharge limitation.

(2) The indirect discharge of pollutants without a permit from a significant industrial discharger as determined by IDEM.

(3) A violation of discharge limitations or other terms and conditions of the permit where an IWP permit is required under the pretreatment rules.

(4) Failure to comply with any other applicable pretreatment requirement.

(5) Failure to:

(A) allow entry, inspection, and monitoring by representatives of the commissioner when requested in accordance with applicable law; or

(B) carry out monitoring, recording, and reporting required under this permit.

d. It shall not be a defense for a 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 the permit.

9. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311of the Act.

10. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

11. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances to held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

Industrial Wastewater Pretreatment (IWP)

Briefing Memo for
Aisin Chemical Indiana, LLC
Draft: April 2024
Final: June 2024

Indiana Department of Environmental Management

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

Permittee:	Aisin Chemical Indiana, LLC 1004 Industrial Way Crothersville, IN, 47229
Existing Permit Information:	Permit Number: INP000641 Expiration Date: October 31, 2024
Facility Contact:	Corey McNew, Group Manager - Compliance 812-793-2888, Email: cmcnew@aisinchemin.com
Facility Location:	1004 Industrial Way Crothersville, IN, 47229 Jackson County
Receiving POTW:	Town of Crothersville POTW 500 S. Bethany Road Crothersville, IN, 47229 NPDES Permit # IN0022683
Proposed Action:	Renew Permit Date Application Received: April 02, 2024
Source Category	Industrial Pretreatment
Permit Writer:	Alyce Klein (317) 233-6728, aklein@idem.in.gov

Table of Contents

1.0 INTRODUCTION

The Indiana Department of Environmental Management (IDEM) received an Industrial Wastewater Pretreatment (IWP) Permit application from Aisin Chemical Indiana, LLC on April 02, 2024. The current five-year permit was issued with an effective date of November 01, 2019, in accordance with 327 IAC 5-2-6(a). A five-year permit is proposed in accordance with 327 IAC 5-2-6(a).

The Federal Water Pollution Control Act of 1972 and subsequent amendments require a National Pollutant Discharge Elimination System (NPDES) permit for the discharge of wastewater to surface waters. Furthermore, Indiana Statute 13-15-1-2 requires a permit to control or limit the discharge of any contaminants into state waters or into a publicly owned treatment works (POTW). This proposed permit action by IDEM complies with both federal and state requirements.

In accordance with Title 40 of the Code of Federal Regulations (CFR) Sections 124.7 and 124.6, as well as Indiana Administrative Code (IAC) 327 Section 5, the development of a Statement of Basis, or Briefing Memo, is required for NPDES permits. This document fulfills the requirements established in those regulations.

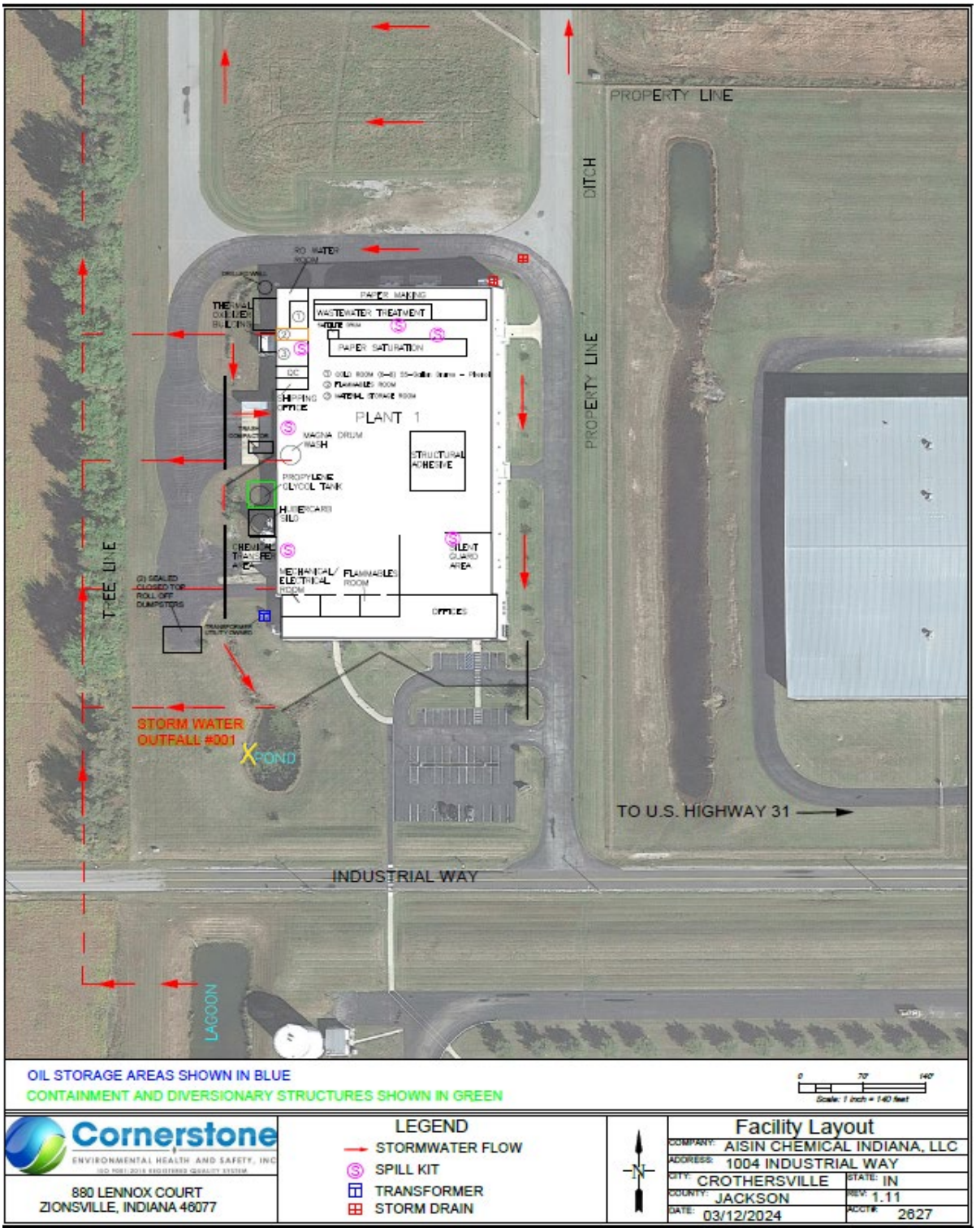
This Briefing Memo was prepared in order to document the factors considered in the development of IWP Permit effluent limitations. The technical basis for the Briefing Memo may consist of evaluations of prohibited discharge standards, categorical pretreatment standards, existing effluent quality, and receiving POTW limitations.

2.0 GENERAL

2.1 Facility Description

The permittee is a stationary facility that operates one (1) paper-making line to make bonding paper for friction plates inside transmission housings. Manufacturing processes include mixing various raw materials together to make the paper. These materials include cellulose compounds, minerals, long-chain polymers, anti-foaming agents, retention agents, graphite powders, diatomaceous earth, and others. These materials are not volatile and are designed to remain 100% a part of the paper substrate. The operation uses Reverse Osmosis (RO) water that is mixed using bags of cellulose and other agents to make a slurry or pulp mix. The blending of raw materials in the beater is controlled by a dust collector. The blended raw materials are mixed in a pulp chest and a machine chest, and then filtered before drying. Afterwards, the cellulose mixture is pressed, dried, and coiled. The plant normally operates 12 hours/day, 5 days/week.

The process waste flows associated with the manufacturing at this facility are not subject to National Categorical Pretreatment Standards. However, the facility does meet the definition of a Significant Industrial User (SIU) as defined by 40 CFR 403.3 (v) and 327 IAC 5-17-23 (a)(2). The discharge is therefore subject to the applicable local Sewer Use Ordinance Limitations.



2.2 Receiving POTW

The permittee discharges to the Town of Crothersville POTW: a 0.47 MGD Class II plant consisting of a bar screen, a grit settling chamber, an influent flow meter, one (1) oxidation ditch, three (3) final clarifiers, ultraviolet light disinfection, post-aeration, and an effluent flow meter. Sludge management includes two (2) aerobic digesters as well as three (3) sludge drying beds. Final solids are hauled offsite for landfill disposal. The POTW discharges to the Hominy (Nehrt) Ditch (Q7,10 = 0.0 CFS), a tributary to Grassy Creek to Vernon Fork of the Muscatatuck River to the Muscatatuck River.

The POTW also serves other Aisin facilities, INP000230 and INP000656, in Crothersville.

2.3 Discharge Description

The permittee discharges wastewater from the following sources to the POTW:

Source	Flow (GPD)
Process Wastestream #1:	32,000 (1)
Sanitary:	500

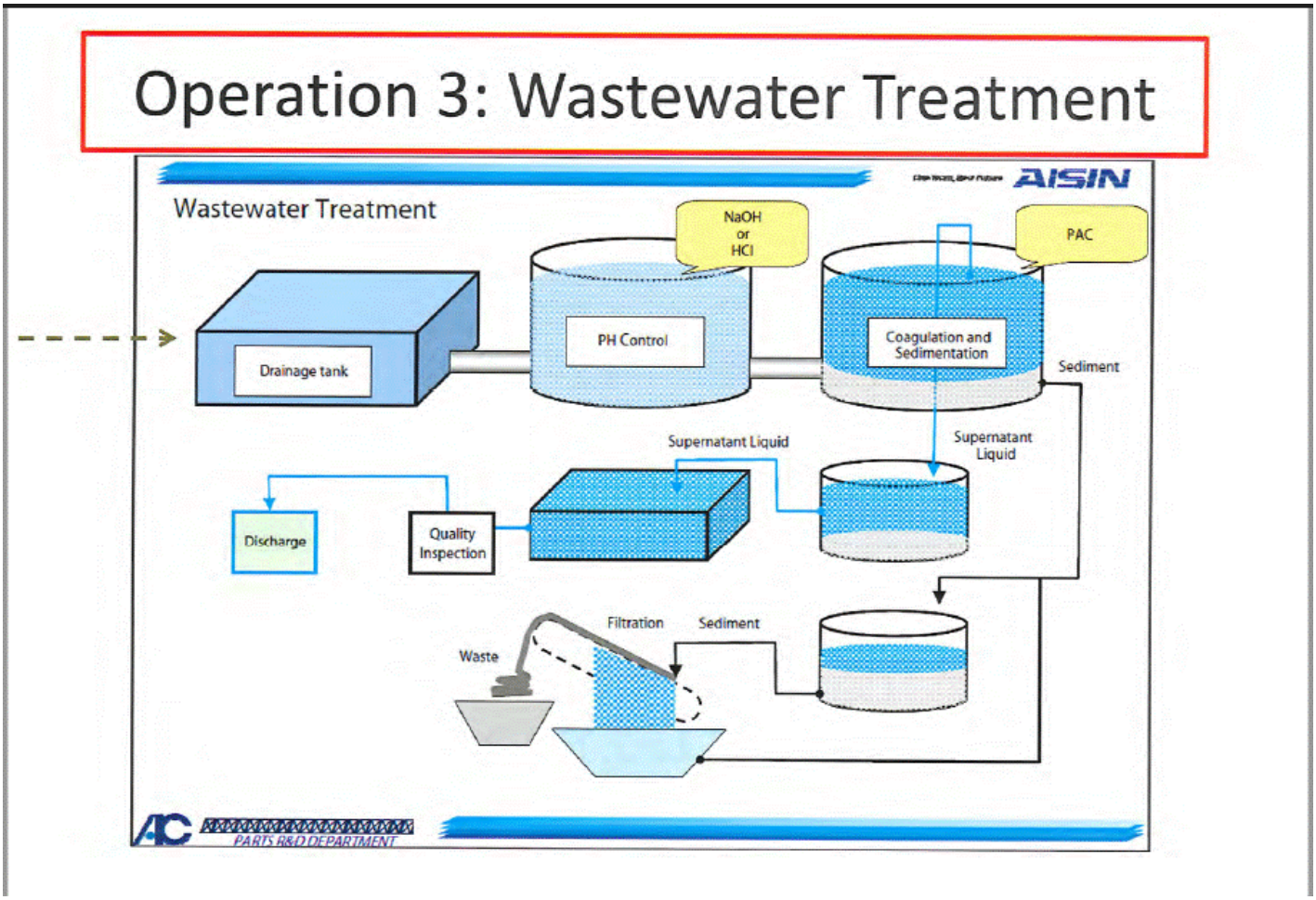
(1) Process Wastestream #1 is wastewater from the paper-making process. Overflows from the pulp chest, machine chest, and liquid screen filter are directed to the pretreatment system.

2.4 Wastewater Pretreatment

Wastewater overflow from the paper-making goes into an equalization tank for pH adjustment. Next, wastewater is treated with coagulant/flocculant and then goes into a lamella clarifier. The wastewater is then run through a filter press for solids removal and then through a small inspection holding tank prior to discharge to the Crothersville POTW.

A flow diagram has been included in Figure 1:

Figure 1: Flow Diagram



The permittee shall have the wastewater treatment facilities under the responsible charge of an operator certified by the Commissioner in a classification corresponding to the classification of the wastewater treatment plant as required by IC 13-18-11-11 and 327 IAC 5-23-6.

Based on information supplied by the permittee, the facility is required to have a Class B Operator.

2.5 Changes in Operation

In the permit application, no changes in operation were identified as occurring since the previous permit renewal.

3.0 PERMIT HISTORY

3.1 Compliance History

The purpose of this section is to summarize any violations and enforcement actions associated with the permit.

A review of this facility's discharge monitoring data was conducted for compliance verification. This review indicates the following permit limitation violations at Outfall 001 between April 2021 and April 2024; TSS, zinc, aluminum, and BOD5 violations. There are no pending or current enforcement actions regarding this IWP permit.

4.0 PERMIT DRAFT DISCUSSION

4.1 Selection of Parameters

This permit regulates the substances and parameters in the permittee's raw wastewater that are subject to the Town of Crothersville Sewer Use Ordinance, in order to protect the POTW from upset, pass through, or interference. Those parameters include: zinc, aluminum, BOD_5, pH, Oil and Grease, and Total Suspended Solids.

4.2 Selection of Limits

The permittee's discharge must comply with the applicable existing local ordinance limits. These limits apply at the point where the discharge enters the city sewer in accordance with the Town of Crothersville Sewer Use Ordinance.

4.3 Self-Monitoring Frequency

Self-Monitoring frequency is determined by the pollutants present in the permittees process and compliance history. To assure compliance with the limits and terms of this permit, State rules (327 IAC 5-21-9 and 10) require the permittee to: (i) monitor the final pretreated discharge at a minimum frequency; and (ii) report the results to this agency. To fulfill this requirement, the samples must be: (i) representative of the daily discharge; and (ii) collected, preserved and analyzed using U.S. EPA-approved materials and methods.

5.0 PERMIT LIMITATIONS

5.1 Summary of Limits and Basis for Each:

Outfall 001

1. The table below summarizes the permit limits at the designated sample site Outfall 001 [1][2]. Outfall 001 is located after the pretreatment system, prior to discharge to the POTW. Such discharge shall be limited and monitored by the permittee as specified below:

Table 1

	Discharge Limitations			Monitoring Requirements	
Parameter [3]	Daily Maximum	Monthly Average	Unit	Measurement Frequency	Sample Type [4]
Flow [5]	Report	Report	MGD	1 X Daily	24-Hr. Total
BOD5	200[6]	Report	mg/l	1 X Weekly	24 Hr. Comp.
TSS	200[6]	Report	mg/l	1 X Weekly	24 Hr. Comp.
Zinc [Zn]	4.0[6]	Report	mg/l	1 X Weekly	24 Hr. Comp.
Aluminum	Report	Report	mg/l	1 X Weekly	24 Hr. Comp.
Oil and Grease [O&G]	100[6]	Report	mg/l	1 X Weekly	Grab

Table 2

Parameter	Daily Minimum	Daily Maximum	Unit	Measurement Frequency	Sample Type
pH[7]	5.0[6]	9.5[6]	s.u.	1 X Daily	Grab

[1] Outfall 001 shall be designated as a combined waste stream at the point of discharge to the POTW.

[2] The discharge shall not exceed the local limits in the Sewer Use Ordinance upon entering the POTW.

[3] All metals shall be analyzed as Total Recoverable Metals.

[4] A “24-hour composite sample” means a sample consisting of at least 3 individual flow-proportional samples of wastewater, consisting of aliquots withdrawn throughout the 24-hour discharge period. The aliquots may be: (i) uniform aliquots withdrawn at uniform flow intervals; (ii) flow-proportional aliquots withdrawn at uniform time intervals; or (iii) for batch discharge, uniform aliquots withdrawn from uniform batch volumes. A flow-proportioned composite sample may be obtained by:

(1) recording the discharge flow rate at the time each individual sample is taken,
(2) adding together the discharge flow rates recorded from each individual sampling time to formulate the “total flow” value,
(3) the discharge flow rate of each individual sampling time is divided by the total flow value to determine its percentage of the total flow value,
(4) then multiply the volume of the total composite sample by each individual sample’s percentage to determine the volume of that individual sample that will be included in the total composite sample.

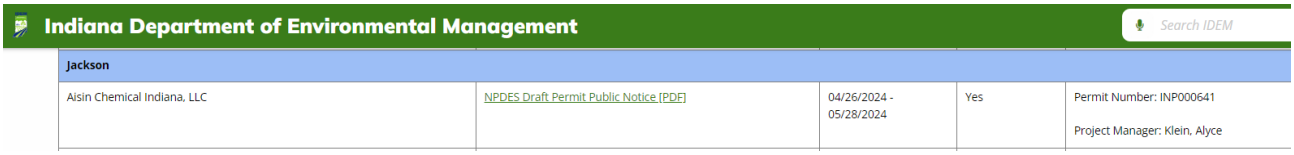
Alternatively, a 24-hour composite sample may be obtained by an automatic sampler on an equal time interval basis over a twenty-four-hour period provided that a minimum of 24 samples are taken and combined prior to analysis. The samples do not need to be flow-proportioned if the permittee collects samples in this manner.

[5] The flow must be measured and recorded using valid flow measurement devices, not estimated. The flow monitoring device must be calibrated at least once every twelve (12) months.

[6] Based on local ordinance [Crothersville Sewer Use Ordinance No. 2015-2 (adopted August 04, 2015)].

[7] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Monitoring Report form.

5.2 Post Public Notice Addendum



The draft IWP permit for Aisin Chemical Indiana, LLC, was made available for public comment from April 26, 2024 through May 28, 2024 as part of Public Notice No. 20240426-INP000641-D on IDEM’s website at https://www.in.gov/idem/public-notices/public-notices-all-regions/. During this comment period, no comment letters were received.

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PUBLIC NOTICE NO: 20240628– INP000641 – F
DATE OF NOTICE: June 28, 2024

The Office of Water Quality has issued the following FINAL IWP PERMIT:

MINOR – RENEWAL:

Aisin Chemical Indiana, LLC, Permit INP000641, JACKSON COUNTY, 1004 Industrial Way, Crothersville, IN. This facility operates one (1) paper-making line to make bonding paper for friction plates inside transmission housing. The average flow for this facility is 0.05 MGD of pretreated wastewater into the Crothersville POTW. Permit Manager: Alyce Klein at 317-233-6728 or aklein@idem.in.gov. Posted online at https://www.in.gov/idem/public-notices/.

Notice of Right to Administrative Review

If you wish to challenge this Permit, you must file a Petition for Administrative Review with the Office of Adjudication (OEA) and serve a copy of the Petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director
Office of Environmental Adjudication
Indiana Government Center North
100 North Senate Avenue - Room N103
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
100 North Senate Avenue - Room 1301
Indianapolis, Indiana 46204

The Petition must contain the following information:

1. The name, address and telephone number of each petitioner.
2. A description of each petitioner's interest in the Permit.
3. A statement of facts demonstrating that each petitioner is:
   a. a person to whom the order is directed.
   b. aggrieved or adversely affected by the Permit.
   c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.
6. The alleged environmental concerns or technical deficiencies of the Permit.

7. The Permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any persons represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the Permit that is the basis of the petition.
11. A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the Permit. Examples are:

1. Failure to file a Petition by the applicable deadline.
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If you seek to have a Permit stayed during the Administrative Review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with Notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to Notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above. More information on the appeal review process is available on the website for the Office of Environmental Adjudication at http://www.in.gov/oea.

Cornerstone
ENVIRONMENTAL HEALTH AND SAFETY, INC
ISO 9001:2015 REGISTERED QUALITY SYSTEM

March 25, 2024

Indiana Department of Environmental Management
Office of Water Quality
Attn: Richard Hamblin
Mail Code 65-42, IGCN Room 1255
Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Re: Paper Line – Renewal Permit Application
Permit No. INP000641
Aisin Chemical Indiana, LLC
Crothersville, IN 47229

Richard Hamblin:

Please find enclosed a completed Industrial Wastewater Renewal Pretreatment Permit Application package for the Aisin Chemical Indiana, LLC facility located at 1004 Industrial Way in Crothersville, Indiana. This renewal application package is concerning the operation of the Paper Line Wastewater Treatment System. The following items are included with this application package:

- Application for Industrial Wastewater Pretreatment (IWP) Permit Form 50271
- Attachment A – Paper Production – Step by Step
- Attachment B – Facility Layout
- Attachment C – Paper Mill Operations & Waste Water Treatment
- Attachment D – Waste Water Treatment System
- Attachment E – Description of Waste Water Treatment System
- Attachment F – Waste Water Sample
- Attachment G – Product Quantity List
- Attachment H – Potentially Affected Persons SF#49456 with labels
- Attachment I – Permit Fee - $100.00

If you have any questions or require additional information, please contact me at (513) 808-4081 or ckoucky@corner-enviro.com.

Best Regards,

Chris Koucky
Environmental Engineer

IDEM-WATER QUALITY
APR 02 2024
RECEIVED

880 Lennox Court, Zionsville, IN 46077 (317) 733-2637 Fax (317) 733-2481 www.corner-enviro.com

Application for Industrial Wastewater Pretreatment (IWP) Permit Form 50271

APPLICATION FOR INDUSTRIAL WASTEWATER PRETREATMENT (IWP) PERMIT

State Form 50271 (R3 / 7-22)
Approved by State Board of Accounts, 2022
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Water Quality
Attn: Cashier
Pretreatment Section
100 N. Senate Avenue
Indianapolis, IN 46204
Phone: (317) 232- 8603 or toll-free
1-800-451-6027 (Indiana Residents Only)
http://www.in.gov/idem/water/permits/

INSTRUCTIONS

- ***This form must be accompanied by state form 49456.*** *You may find state form 49456 at http://www.in.gov/icpr/webfile/formsdiv/49456.pdf . Both forms must be submitted together.*
- *Unless stated otherwise, all items are to be filled out completely. Your application will not be considered complete unless every question is answered on this form. If an item is not applicable, indicate by noting "NA" to show that you considered the question.*
- *Depending upon the adequacy of the data submitted for determining issuance of apermit, additional information may be required. Please read all questions and attached information prior to completing this application.*
- *You can fill out this form electronically, using the mouse and keyboard. Simply clickinside of the first form field to begin, and advance to the next fields using the "tab" key on your keyboard, or by clicking in the fields with your mouse. Print the completed form, and submit it to IDEM, OWQ with any additional documentation in your application packet.*
- *As required by 327 IAC 5-21-12, a $100 application fee is required for new or renewal applications. A $50 application fee is required for modification requests. Please enclose a check ormoney order payable to the Indiana Department of Environmental Management with this form and any supporting attachments and documentation and mail the application package to the address listed in the upper-right side of this page.*
- *This application must be submitted in accordance with 327 IAC 5-21-3, including the time frames thereof.*

Type of IWP Permit

- ☐ New
- ☒ Renewal
- ☐ Modification

IWP PERMIT NUMBER

INP000641

PART A: APPLICANT ADDRESS AND CONTACT(S)

FACILITY/OPERATION

1. Facility name: AISIN Chemical Indiana, LLC			
2. Mailing address: 1004 Industrial Way			
City: Crothersville	County: Jackson	State: IN	ZIP Code: 47229
3. Facility phone number: (812) 793-2888	4. Facility e-mail address (optional):		
5. Address of operation: 1004 Industrial Way			
City: Crothersville	State: Jackson	ZIP Code: 47229	

DESIGNATED FACILITY CONTACT PERSON

6. Designated contact name (first, last): Corey McNew	7. Title: Group Manager - Compliance		
8. Mailing address: 1004 Industrial Way			
City: Crothersville	State: IN	ZIP Code: 47229	
9. Phone number: (812) 793-2888	10. E-mail address (optional): cmcnew@aisinchemin.com		

DESIGNATED SIGNATORYAUTHORITY

NOTE: Signatory Authorization is defined in 327 IAC 5-16-5(b)

11. Designated signatory authority name (first, last): Timothy Carter	12. Title: Executive Vice President		
13. Address: 1004 Industrial Way			
City: Crothersville	State: IN	ZIP Code: 47229	
14. Phone number: (812) 793-2888	15. E-mail address (optional):		

(Continued on page 2)

IDEM-WATER QUALITY

(Account No. and Revenue Code: 2830-433800-100600)

$100
#28946

APR 02 2024

RECEIVED

▶ RECEIVING POTW: Crothersville Wastewater Treatment Facility		
16. Contact Name: Mason Boicourt	**17.** Title: Superintendent	
18. Address: 500 S. Bethany Road		
City: Crothersville	State: IN	ZIP Code: 47229
19. Phone number: (812) 793-2540	**20.** E-mail address (optional):	

PART B: OPERATING SCHEDULE

▶ SHIFT INFORMATION

21. Days of operation *(check all that apply)*: ☒ Mon. ☒ Tue. ☒ Wed. ☒ Thu. ☒ Fri. ☐ Sat. ☐ Sun.

22. Hours per day of operation: 12

23. Number of shifts per day: 1

24. Total number of employees per shift: 3

▶ DURATION OF OPERATION

25. Date that facility began (or will begin) operation *(mm / dd / yyyy)*: 10/15/2014

26. Indicate whether the operation is (will be):

☒ a. Continuous throughout the year

☐ b. Seasonal (check the boxes below corresponding with the months of active production)

☐ Jan. ☐ Feb. ☐ Mar. ☐ April ☐ May ☐ June ☐ July ☐ Aug. ☐ Sept. ☐ Oct. ☐ Nov. ☐ Dec.

▶ CLOSED-LOOP OPERATIONS

27. Describe any closed-loop operations:

NA

28. Does this water ever contact the product? ☒ Yes ☐ No

29. Does the system ever discharge to the city sewer? ☒ Yes* ☐ No

***If yes,**

a. How often? Daily M-F

b. How much? 32,000 gpd

c. Is this water pretreated? ☒ Yes ☐ No

(Continued on page 3)

PART C: PROCESS DESCRIPTION

30. Describe the product(s) manufactured or service(s) provided:

AISIN Chemical Indiana, LLC is a stationary facility located at 1004 Industrial Way in Crothersville, Indiana that operates one paper making line. The operation uses Reverse Osmosis water that is mixed using bags of cellulose and other agents to make a slurry or pulp mix. This is set to the paper machine through a Liquid Screen Filter, Oven Dryer, Press, Roll Dryer and Coiler to make friction paper to be cut and glued to transmission clutch plates for use in automotive transmissions. Raw wastewater is recycled using a plant and frame filter press. The end result will be daily normal discharge of approximately 32,000 gallons/day to a possible maximum discharge of 40,000 gallons/day dischage to the Crothersville POTW.

31. Provide a detailed description of the manufacturing process(es) or service activities conducted on premises, especially those processes that involve or generate wastewater (use additional sheets if necessary).

AISIN Chemical Indiana, LLC is a stationary facility located at 1004 Industrial Way in Crothersville, Indiana that has one paper making operation to make bonding paper for friction plates inside transmission housings. In the Paper Making Process, various raw materials are blended together to make paper. These include several cellulose compounds, minerals, long-chain polymers, some antifoaming agents, retention agents, graphite powders, diatomaceous earth, etc. These raw materials are not volatile and are designed to remain 100% part of the paper substrate. This blending of raw materials in the Beater is controlled by a dust collector. Later the blended raw materials are mixed in a Pulp Ches & Machine Chest then filtered before Air Jet drying. Next the cellulose mixture is pressed, dried in an electric After Dryer and finally coiled before being sent to the Saturation line. A Paper Product Step by Step illustration is included in Attachment A.

(Continued on page 4)

PART C: PROCESS DESCRIPTION (CONTINUED)

32. List chemicals and metals used in processes (raw materials):

1) Zinc Omadine
2) Mica
3) Carbon Black
4) DMP 11054
5) Celetom MW-31
6) Carbon ECP
7)
8)
9)
10)
11)
12)
13)
14)
15)
16)
17)
18)
19)
20)

33. If production-based standards apply, list the amount of production (in units expressed by the standards) that passes through (or will pass through) each process that is subject to a standard (attach list if needed):

NA

PART D: INTAKE WATER INFORMATION

34. In the table below, list intake water sources and volumes:

	SOURCE	VOLUME (GPD)
a.	Municipal Water System* *Specify City: Crothersville	28,000
b.	Private Well	12,000
c.	Surface Water	
d.	Other** **Specify:	

(Continued on page 5)

PART E: WATER LOSS INFORMATION

35. For the following items, provide the average volume of discharge or water loss *(GPD)*.

a. Natural outlet or storm sewer: Storm water only GPD

i) Do you have an NPDES permit for the discharge to the Natural Outlet or Storm Sewer?

☒ Yes* ☐ No

ii) *If yes, provide the permit number: INRM00368

b. Waste hauler: Filter Cake - 1,000 GPD

c. Evaporation: Paper Machine - 5,000 GPD

d. Contained in product: Paper Machine - 500 GPD

e. Other*: 0 GPD

*Specify:

PART F: WASTEWATER DISCHARGE(S) TO SANITARY OR COMBINED SEWERS

36. For each line to the municipal sewer, list average wastewater discharge *(actual, expected or potential - please specify by checking the appropriate box)* from the following sources prior to pretreatment *(if any)*. With a checkmark, indicate the Outfall to which the waste-stream discharges *(if there are additional outfalls, please attach additional copies of this page of the form)*:

	Source	WW Discharge Volume (GPD)	Volume Based On (*Check One*)	Outfall #1	Outfall #2	Outfall #3
a.	Process Waste-stream #1 (Paper Line)	32,000	☒ Actual Volume ☐ Expected Volume	☒	☐	☐
b.	Process Waste-stream #2		☐ Actual Volume ☐ Expected Volume	☐	☐	☐
c.	Process Waste-stream #3		☐ Actual Volume ☐ Expected Volume	☐	☐	☐
d.	Pretreatment Discharge (if any)		☐ Actual Volume ☐ Expected Volume	☐	☐	☐
e.	Boiler Blowdown		☐ Actual Volume ☐ Expected Volume	☐	☐	☐
f.	Non-contact Cooling Water (once through)		☐ Actual Volume ☐ Expected Volume	☐	☐	☐
g.	Sanitary Water	500	☐ Actual Volume ☒ Expected Volume	☒	☐	☐
h.	Other Specify:		☐ Actual Volume ☐ Expected Volume	☐	☐	☐

Include an attachment describing how each flow (36 a.-h. above) is generated

(Continued on page 6)

PART G: WASTEWATER DISCHARGE(S) TO SANITARY OR COMBINED SEWERS (DETAILS)

37. Is the discharge to the sewer?

☒ a. Continuous

☐ b. batch*

*If batch discharge,

i) Provide the frequency of discharge occurrence: NA

ii) What is the average volume (in gallons) of each batch? NA

38. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

a.	Flow metering equipment	☒ Yes[1]	☐ No	☐ N/A
b.	Sampling equipment	☐ Yes[1]	☒ No	☐ N/A

39. If "Yes" for item #38a or #38b, describe the type of flow meter(s) and sampling equipment.

Keyence FDQ-50C clamp-on digital

40. Are any process changes or expansions planned in the immediate future that could alter wastewater volumes or characteristics? (Consider production processes as well as air or water pollution treatment processes that may affect the discharge).

☐ Yes ☒ No

41. Are any materials or water reclamation systems in use or planned?

☐ Yes[2]** ☒ No

42. **If "Yes" for Item #41, describe the recovery process, substances recovered, percent recovered, and the concentrations in the spent solution. Submit a flow diagram for each process. (Attach additional sheets if needed):

NA

PART H: CHARACTERISTICS OF DISCHARGE

BUILDING LAYOUT

Submit scale drawings (or blueprints) showing the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), and public sewers. Show existing and/or proposed sampling locations. See Attachment B

SCHEMATIC FLOW DIAGRAM

For each major activity in which wastewater is or will be generated, on an attached sheet, draw a diagram of the flow of materials, products, water, and wastewater from start of the activity to its completion, showing all unit processes. Indicate which processes use water and which generate wastestreams. Include the average daily volume and maximum daily volume of each wastestream (new facilities or new dischargers may estimate). If estimates are used for flow data, this must be indicated. Number each unit process having wastewater discharges to the community sewer. See Attachment C

(Continued on page 7)

[1] If the facility has, or will have, automatic sampling equipment or continuous wastewater flow metering equipment, please indicate the present or future location of this equipment on the sewer schematic (Part H: Schematic Flow Diagram).

[2] If Yes, attach a description of these changes and their effects on the wastewater volume and characteristics.

PART I: SEWER INFORMATION

▶ **Existing Facility**

43. If source is not connected to sanitary sewer, has the source applied for sanitary sewer hookup?

☐ Yes ☐ No NA

▶ **NEW FACILITY OR NEW DISCHARGER**

44. Will the source be connected to the public sanitary sewer system?

☒ Yes ☐ No

PART J: TREATMENT

45. Is any form of wastewater treatment practiced at this facility?

☒ Yes ☐ No

46. Do you have a certified operator for your pretreatment facility?

☒ Yes ☐ No

47. Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the immediate future?

☐ Yes* ☒ No

*If yes, please describe:

48. Description of Pretreatment:

Include step-by-step procedure, including any process equipment, design capacity, and operating conditions. Attach a process-flow diagram of the pretreatment.

See Attachment D - Wastewater Treament System - Wastewater overflow from the paper making goes into an equalization tank for pH adjsustment. Next wastewater is treated with coagulant/flocculant then goes into a lamella clarifier. The wastewater is then run through a filter press for solids removal and then through a small inspection holding prior to discharge to the Crothersville POTW.

▶ Attach a process-flow diagram of the pretreatment.

PART K: SAMPLING DATA

49. Attach any representative sampling data[3] pertaining to the facility discharge to the sewer system. Explain below and/or in the attachment(s) where and when the sampling was accomplished, what type of sample was taken (i.e., grab, composite), and how many samples were analyzed. Be sure the sampling and analytical methods conform to 40 CFR Part 136. If they do not, indicate what method was used.

See Attachment F - Most recent wastewater discharge sample from the paper WWTS. Sample taken on March 28, 2019. Sample was obtained according to present discharge permit requirements at Outfall 001 as a composite sample.

▶ Attach any sampling data[3] pertaining to the facility discharge to the sewer system. See Attachment F

(Continued on page 8)

[3] If no sampling data is available, testing must be performed on the discharge for any pollutant believed to be present. The sample must be a 24-hour composite taken during normal production activity and/or representing typical wastewater flows. A representative list of pollutants is contained in Table I (on page 10 of this application). Please check the pollutants you know or suspect of being in your discharge. New facilities should use the table to indicate what pollutants will be present or suspected to be present in proposed wastestreams.

PART L: SPILL PREVENTION

50. Do you have chemical storage containers, bins, or ponds at your facility?

☒ Yes ☐ No

51. Do you have floor drains in your manufacturing or chemical storage area(s)?

☒ Yes** ☐ No

**If yes, identify where they discharge to:

Trench drain around the Paper Line and the Wastewater Treatment System. The wastewater in the trench drain is pumped to the Equalization/Collection Tank at the front of the wastewater treatment system.

▶ Attach a list of the types and quantity of chemicals used or planned for use. Copies of Manufacturer's Safety Data Sheets (MSDS) may be requested for additional information.

PART M: NON-DISCHARGED WASTES

52. Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?

☒ Yes* ☐ No

*If YES, provide the following information (attach additional sheets if necessary):

	Waste(s) Generated	Quantity (per year; specify units)	Disposal Method
a.	Filter cake sludge	1,200 lbs/week	Landfill (Rumpke)
b.	Paper pulp waste	300 lbs/mon	Landfill (Rumpke)
c.			
d.			
e.			
f.			
g.			
h.			
i.			
j.			

PART N: ADMINISTRATIVE OPERATIONS AND PROCEDURES ACT (AOPA)

▶ On copies of the form entitled, "Identification Of Potentially Affected Persons" (Form # 49456) (available from the IDEM Office of Water Quality or on the Internet at http://www.IN.gov/icpr/webfile/formsdiv/49456.pdf), list the names and addresses of all persons who, to your knowledge, may be potentially affected by the discharge from your facility. The AOPA (Administrative Operations And Procedures Act) requires such parties to be individually notified by IDEM when the proposed and final permit is public noticed. Persons not notified may have the final permit rendered null and void if they have been substantially prejudiced by the lack of notice.

(Continued on page 9)

PART O: AUTHORIZED REPRESENTATIVE STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Timothy Carter / Executive Vice President
Name/Title

3/25/2024
Date (mm/dd/yyyy)

Timothy J Carter
Signature

(812) 793-2888
Phone # ((xxx) xxx-xxxx)

TABLE 1: POLLUTANTS OF CONCERN

PRIORITY POLLUTANTS LIST
(40 CFR 403, APPENDIX B)

	HEAVY METALS AND INORGANICS
☐	Antimony (Sb)md
☐	Arsenic (As)
☐	Asbestos
☐	Beryllium (Be)
☐	Cadmium (Cd)
☐	Chromium (Cr)
☐	Copper (Cu)
☐	Cyanides (CN)
☐	Lead (Pb)
☐	Mercury (Hg)
☐	Nickel (Ni)
☐	Selenium (Se)
☐	Silver (Ag)
☐	Thallium (Tl)
☒	Zinc (Zn)

	TOXIC ORGANICS: ETHERS
☐	Ether, bis(2-chloroethyl)
☐	Ether, bis(2-chloroisopropyl)
☐	Ether, 2-chloroethyl vinyl
☐	Ether, 4-chlorophenyl phenyl
☐	Ether, 4-bromophenyl phenyl
☐	Bis (2-chloroethoxy) methane

	TOXIC ORGANICS: PHTHALATES
☐	Phthalate, dimethyl; DMP
☐	Phthalate, diethyl; DEP
☐	Phthalate, di-n-butyl; DBP
☐	Phthalate, di-n-octyl; DOP
☐	Phthalate, bis(2-ethylhexyl); DEHP
☐	Phthalate, butyl benzyl; BBP

	TOXIC ORGANICS: NITROGEN COMPOUNDS
☐	Nitrosamine, dimethyl-
☐	Nitrosamine, diphenyl-
☐	Nitrosamine, di-n-propyl-
☐	Benzidine
☐	Benzidine, 3,3'-dichloro-
☐	Hydrazine, 1,2-diphenyl-
☐	Acrylonitrile

	TOXIC ORGANICS: PHENOLS
☐	Phenol
☐	Phenol, 2-chloro
☐	Phenol, 2,4-dichloro-; 2,4-DCP
☐	Phenol, 2,4,6-trichloro-
☐	Phenol, pentachloro-; PCP
☐	Phenol, 2-nitro-
☐	Phenol, 4-nitro-
☐	Phenol, 2,4-dinitro-; 2,4-DNP
☐	Phenol, 2,4-dimethyl-
☐	m-Cresol, p-chloro-
☐	o-Cresol, 4,6-dinitro-; DNOC

	TOXIC ORGANICS: AROMATICS
☐	Benzene
☐	Benzene, chloro-
☐	Benzene, 1,2-dichloro-
☐	Benzene, 1,3-dichloro-
☐	Benzene, 1,4-dichloro-
☐	Benzene, hexachloro-; HCB
☐	Benzene, ethyl-
☐	Benzene, nitro-
☐	Toluene
☐	Toluene, 2,4-dinitro-; DNT
☐	Toluene, 2,6-dinitro-
☐	Benzene, 1,2,4-trichloro-

	TOXIC ORGANICS: POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)
☐	2-Chloronaphthalene
☐	Benzo (a) anthracene
☐	Benzo (b) fluoranthene; B(b)F
☐	Benzo (k) fluoranthene; B(k)F
☐	Benzo (a) pyrene; B(a)P
☐	Ideno (1,2,3-cd) pyrene; IP
☐	Dibenzo (a,h) anthracene; DBA
☐	Benzo (ghi) perylene
☐	Acenaphthene
☐	Acenaphthylene
☐	Anthracene
☐	Chrysene
☐	Fluoranthene
☐	Fluorene
☐	Naphthalene
☐	Phenanthrene
☐	Pyrene

	TOXIC ORGANICS: PCB's
☐	PCB-1016; Aroclor 1016
☐	PCB-1221; Aroclor 1221
☐	PCB-1232; Aroclor 1232
☐	PCB-1242; Aroclor 1242
☐	PCB-1248; Aroclor 1248
☐	PCB-1254; Aroclor 1254
☐	PCB-1260; Aroclor 1260

	TOXIC ORGANICS: HALOGENATED ALIPHATIC HYDROCARBONS
☐	Methane, chloro-; methyl chloride
☐	Methane, dichloro-; Methylene chloride
☐	Methane, trichloro-; chloroform
☐	Methane, tetrachloro-; Carbon tetrachloride
☐	Methane, bromo-; methyl bromide
☐	Methane, dichlorobromo-
☐	Methane, chlorodibromom-
☐	Methane, tribromo-; bromoform
☐	Ethane, chloro-

TABLE 1: POLLUTANTS OF CONCERN (CONTINUED)

☐	Ethane, 1,1-dichloro-
☐	Ethane, 1,2-dichloro-
☐	Ethane, 1,1,1-trichloro-
☐	Ethane, 1,1,2-trichloro-
☐	Ethane, 1,1,2,2-tetrachloro-
☐	Ethane, hexachloro-
☐	Ethylene, chloro-; Vinyl Chloride
☐	Ethylene, 1,1-dichloro-; 1,1-DCE
☐	Ethylene, 1,2-trans-dichloro-
☐	Ethylene, trichloro-; TCE
☐	Ethylene, tetrachloro-; Perchloroethylene
☐	Propane, 1,2-dichloro-
☐	Propylene, 1,3-dichloro-
☐	Butadiene, hexachloro-; HCBD
☐	Cyclopentadiene, hexachloro-; HCCPD

TOXIC ORGANICS: PESTICIDES

☐	alpha-Endosulfan
☐	Endosulfan sulfate
☐	beta-Endosulfan
☐	Hexachlorocyclohexanes:
☐	
☐	
☐	
☐	
☐	
☐	alpha-BHC
☐	beta-BHC
☐	gamma-BHC
☐	delta-BHC; Lindane
☐	Aldrin; HHDN
☐	Dieldrin; HEOD
☐	4,4'-DDE
☐	4,4'-DDT; p,p'-DDT
☐	4,4'-DDD; p,p'-DDD; p,p'-TDE
☐	Endrin
☐	Endrin aldehyde
☐	Heptachlor
☐	Heptachlor epoxide
☐	Chlordane
☐	Toxaphene

TOXIC ORGANICS: OXYGENATED COMPOUNDS

☐	Acrolein

TOXIC ORGANICS: MISCELLANEOUS

☐	Isophorone
☐	2,3,7,8-tetrachlorodibenzo-p-dioxin; TCDD; dioxin

☒	Biochemical Oxygen Demand (BOD)
☒	pH (Acid or Base)
☒	Total Suspended Solids (TSS)
☐	Oil and Grease (O&G)

NONCONVENTIONAL POLLUTANTS OF CONCERN: (NOT LISTED AS TOXIC OR CONVENTIONAL)

☐	Ammonia (NH3)
☐	Chlorides (Cl-1)
☐	Sulfides (S-2)
☐	Total Dissolved Solids (TDS)
☐	Phosphate (PO4)
☐	Chemical Oxygen Demand (COD)

APPENDIX: CONTACT PEOPLE AND MAILING ADDRESSES

The Office of Water Quality has a contact person for each of the areas that apply to pretreatment. The name and telephone number are listed below for each contact person. Correspondences should be sent to the address below to the attention of the appropriate contact.

General Address:

Indiana Department of Environmental Management
Office of Water Quality
100 North Senate Avenue
Indianapolis, Indiana 46204

Contacts:

(Direct correspondence to the program areas below by adding "Attention: {Insert Contact Name Listed Below}" to the address)

For IWP Permits:

Contact: Industrial NPDES Permits
SectionTelephone: 317/232-8696

For Construction Permits:

Contact: Facility Construction
SectionTelephone: 317/232-5579

Attachment A – Paper Production – Step by Step

Paper Production

Step by Step

Operation 1:
City Water Treatment

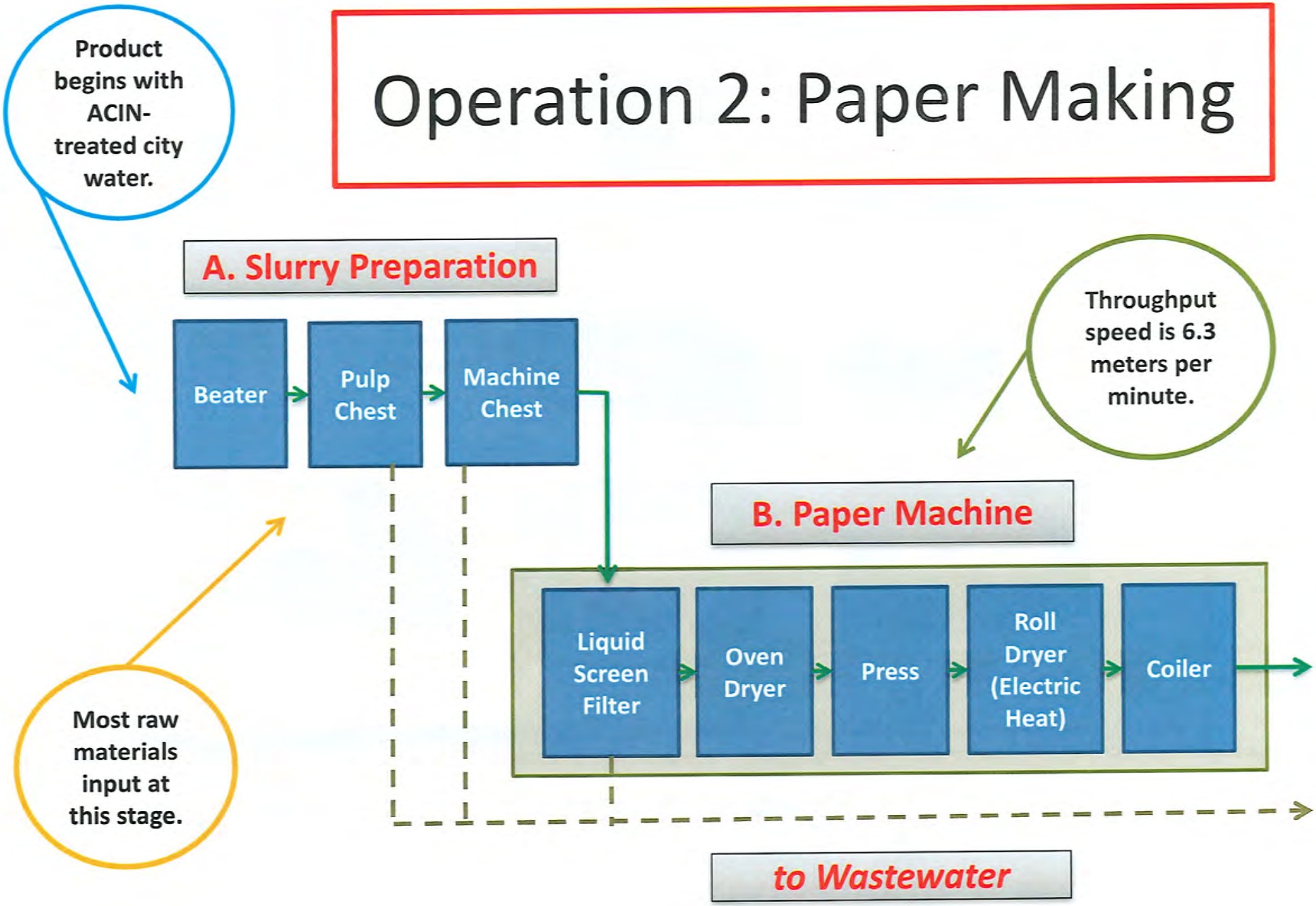
First

Water impurities are removed by a Reverse Osmosis (RO) process.

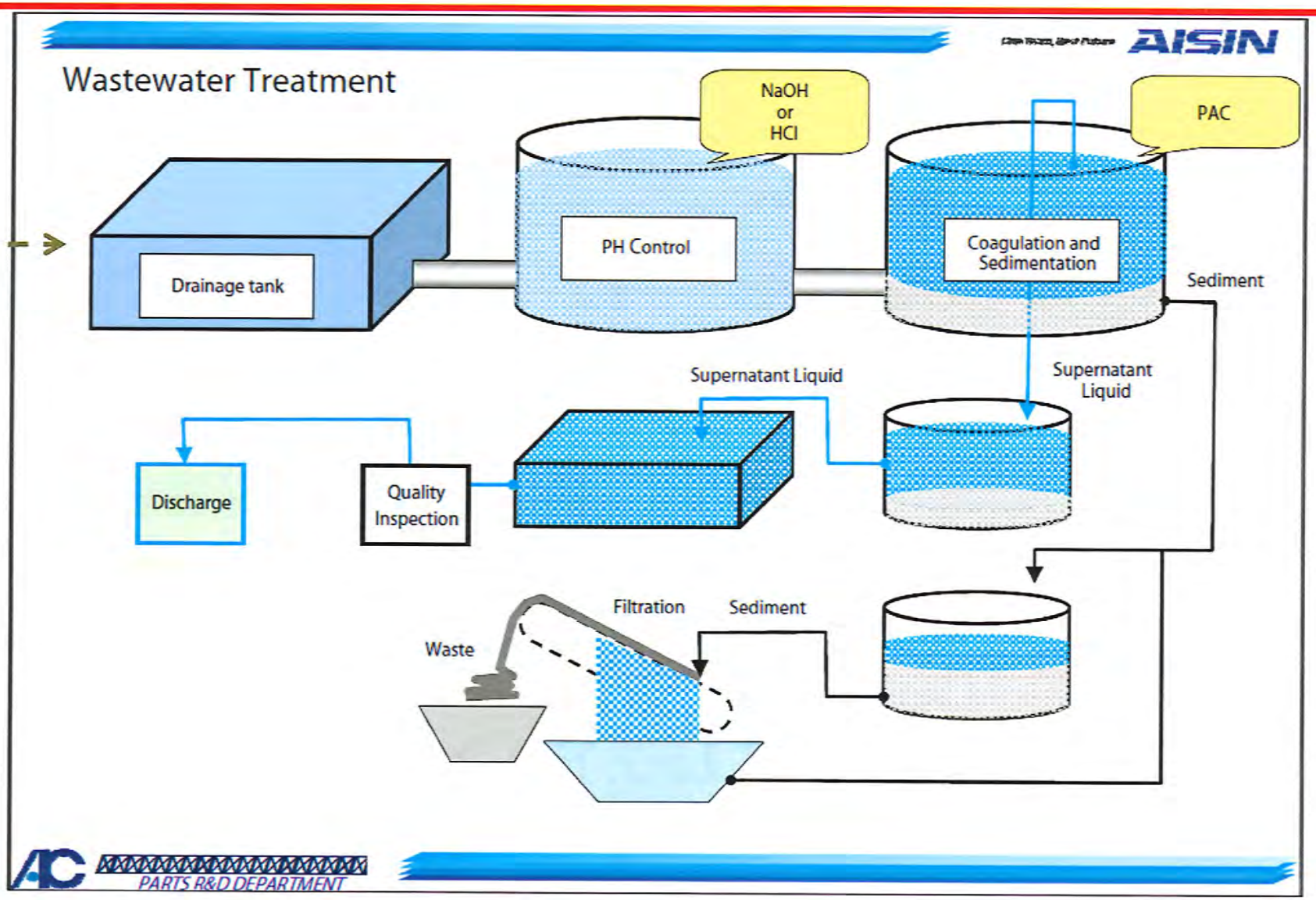
Second

Water hardness is adjusted by treating with a chemical softening agent.

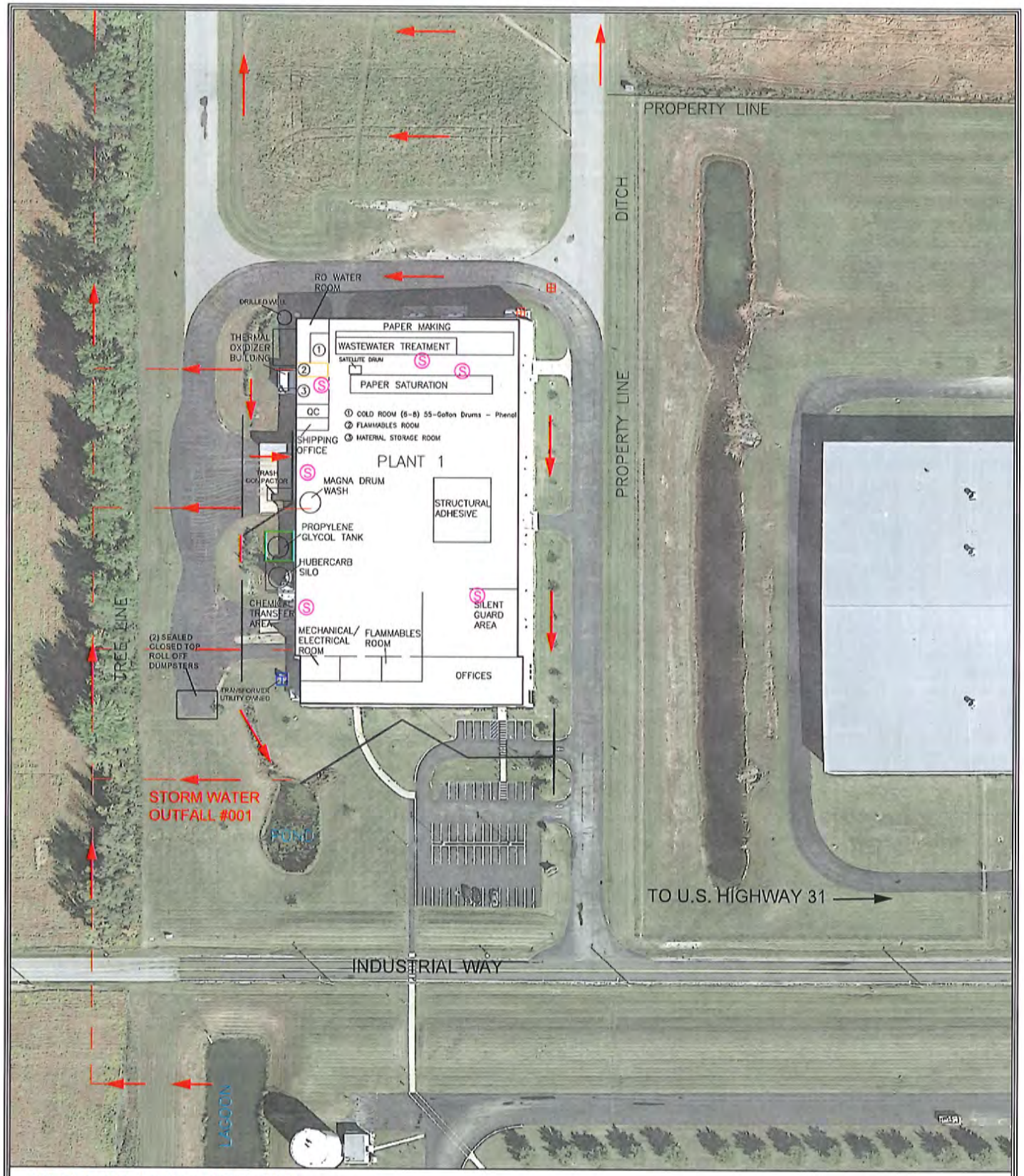
Operation 2: Paper Making



Operation 3: Wastewater Treatment



Attachment B – Facility Layout



OIL STORAGE AREAS SHOWN IN BLUE

CONTAINMENT AND DIVERSIONARY STRUCTURES SHOWN IN GREEN

0 70' 140'

Scale: 1 inch = 140 feet

Cornerstone
ENVIRONMENTAL HEALTH AND SAFETY, INC
ISO 9001:2015 REGISTERED QUALITY SYSTEM

880 LENNOX COURT
ZIONSVILLE, INDIANA 46077

LEGEND

- STORMWATER FLOW
- (S) SPILL KIT
- TRANSFORMER
- STORM DRAIN

N

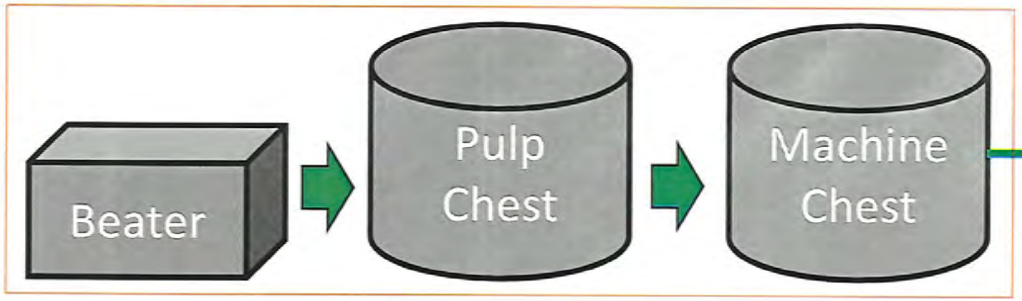
Facility Layout

COMPANY:	AISIN CHEMICAL INDIANA, LLC		
ADDRESS:	1004 INDUSTRIAL WAY		
CITY:	CROTHERSVILLE	STATE:	IN
COUNTY:	JACKSON	REV:	1.11
DATE:	03/12/2024	ACCT#:	2627

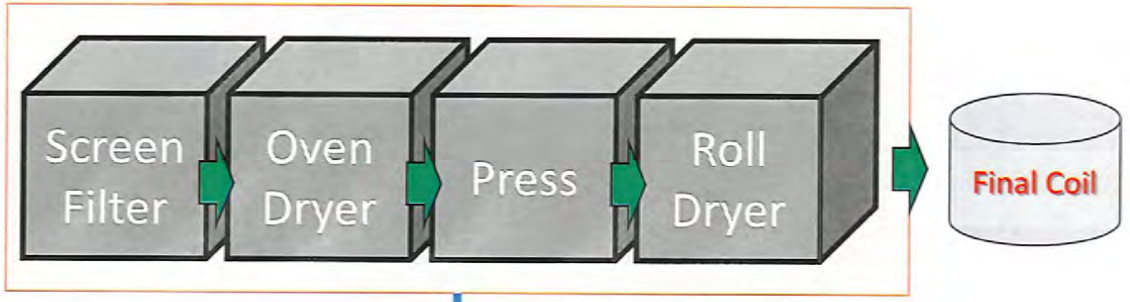
Attachment C – Paper Mill Operations & Waste Water Treatment

Paper Mill Operation & WWT Treatment

Pulp Preparation:

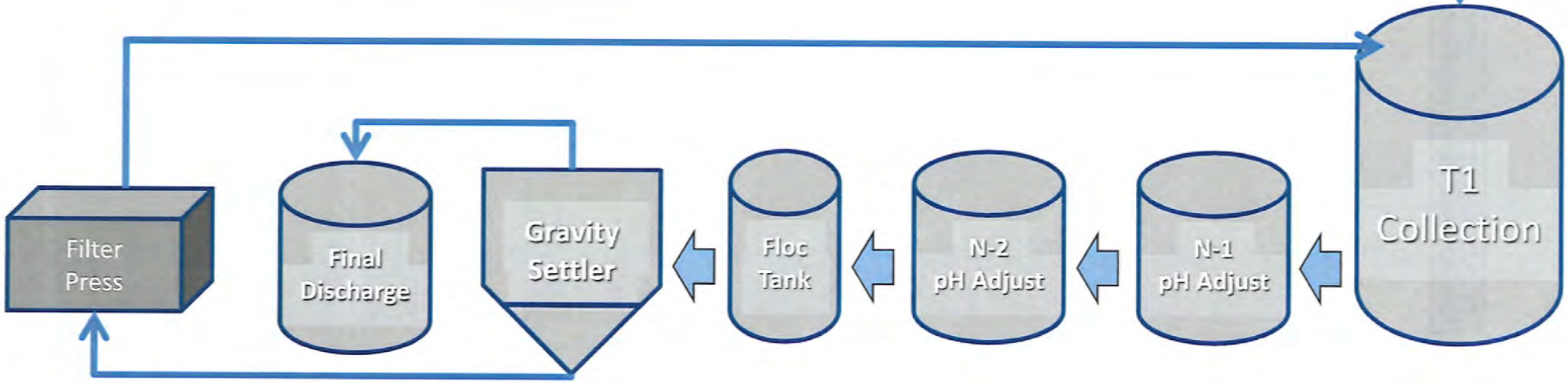


Paper Drying:



Process water collected in trench drain and sent to T1

Wastewater Treatment:



Attachment D – Waste Water Treatment System

WASTE WATER TREATMENT SYSTEM (45 GPM)
PRESENTED TO: ADVANCED INDUSTRIAL MANAGEMENT
LEXINGTON, KENTUCKY
FOR: AISIN CHEMICAL
CROTHERSVILLE, INDIANA
BY: DMP CORPORATION
ROCK HILL, SOUTH CAROLINA

FLOW SCHEMATIC SYMBOL'S

SYMBOL	DESCRIPTION
	CENTRIFUGAL PUMP
	AIR DIAPHRAGM PUMP
	FLANGE
	UNION
	BALL VALVE (TRUE UNION)
	SPRING LOADED CHECK VALVE
	CHECK VALVE
	PNEUMATIC VALVE FAILSAFE-AIR TO OPEN, SPRING TO CLOSE
	PNEUMATIC VALVE AIR TO CLOSE
	PNEUMATIC DIAPHRAGM VALVE FAILSAFE-AIR TO OPEN
	MANUAL DIAPHRAGM VALVE
	FLOW RESTRICTOR
	MANUAL BUTTERFLY VALVE
	METERING BALL VALVE
SOL	SOLENOID VALVE
	VACUUM BREAK
	CARTRIDGE FILTER
	ROTOMETER
	PRE-PLUMBED SKID
	PNEUMATIC BALL VALVE FAILSAFE-AIR TO OPEN, SPRING TO CLOSE
	DISPERSION BASKET

SYMBOL	DESCRIPTION
	BALL LEVEL CONTROL
	MAGNETIC PROXIMITY SENSOR
	REDUCER
	REDUCER
	QUICK COUPLING
	FLEXIBLE CONNECTOR
	MINI LEVEL CONTROLS
W.W.	AIR AGITATOR BUBBLER
pH	pH PROBE AND CONTROL
ORP	ORP PROBE AND CONTROL
ATC	PNEUMATIC PINCH VALVE AIR TO CLOSE
	PNEUMATIC BUTTERFLY VALVE AIR TO OPEN - AIR TO CLOSE
PT	PRESSURE TRANSMITTER
PI	PRESSURE INDICATOR
C	CONDUCTIVITY METER
	STRAINER
TP	TEMPERATURE PROBE
	ULTRA SONIC LEVEL CONTROL
	STRAINER BASKET
	IN-LINE MIXER
TURB.	TURBIDITY METER
H	BULKHEAD
T	TIMER

ALARM FUNCTIONS

- HL - HIGH LEVEL
- LL - LOW LEVEL
- HP - HIGH PRESSURE
- TF - TREATMENT FAILURE
- MF - MIXER FAILURE
- RA - RUNAWAY

DRAWING INDEX:

CUSTOMER RESPONSIBILITIES

1) CUSTOMER WILL BE RESPONSIBLE FOR RECEIVING FREIGHT (UNLOAD TRUCK).
2) CUSTOMER WILL PROVIDE MATERIAL HANDLING EQUIPMENT.
3) CUSTOMER WILL BE RESPONSIBLE FOR MOVING THE RECEIVED SHIPMENTS TO THE INSTALLATION LOCATION. THIS INCLUDES PLACING THE EQUIPMENT IN THE APPROXIMATE LOCATION PER THE APPROVED LAYOUT DRAWING.
4) CUSTOMER WILL PROVIDE REAGENT CHEMICALS WITH NECESSARY TRANSFER EQUIPMENT PRIOR TO START-UP.
5) CUSTOMER WILL PROVIDE INTERCONNECTION OF COMPUTER, DATA PROCESSING, MODEM, RS-232, AND COMMUNICATION LINES BETWEEN THE CONTROL PANEL AND TERMINAL EQUIPMENT.
6) CUSTOMER WILL PROVIDE CLEAR AREA FOR THE INSTALLATION OF THE SYSTEM.
7) CUSTOMER WILL BE RESPONSIBLE FOR STRUCTURAL MODIFICATIONS TO BUILDING.
8) CUSTOMER IS RESPONSIBLE FOR CITY, COUNTY, AND/OR STATE PERMITS.
9) PROCESS TANK TEMPERATURES MUST BE ALLOWED TO COOL AT OR BELOW 140 DEGREES F (60 DEGREES C) PRIOR TO TRANSFERRING TO PIPING, TANK T-1, AND/OR PUMPING SYSTEMS UNLESS NOTED OTHERWISE.
10) CUSTOMER IS RESPONSIBLE FOR SAFETY EQUIPMENT SUCH AS FIRE EXTINGUISHERS, SAFETY SHOWERS, EYEWASH STATION, ETC.
11) CUSTOMER SHALL PROVIDE A TRASH CONTAINER FOR DMP'S PACKAGING MATERIAL, ASSEMBLY DEBRIS AND GENERAL TRASH.
12) CUSTOMER IS RESPONSIBLE FOR COMPLETE UTILITY HOOK-UPS. THE FOLLOWING UTILITIES SHALL BE SUPPLIED, INSTALLED, AND DROPPED TO SPECIFIC DEVICES AS NOTED BELOW AND EQUIPMENT LAYOUT:

3 PHASE ELECTRICAL SERVICE:

A) MAIN CONTROL PANEL
460 VOLTS/40 AMPS/3 PHASE/60 HERTZ WITH EARTH GROUND

TAPWATER/POTABLE WATER:

A) CHEMICAL FEED, 1" DIAMETER

COMMUNICATION SERVICE:

CUSTOMER SHALL PROVIDE A HIGH SPEED INTERNET OR VPN CONNECTION IN DMP's MAIN CONTROL PANEL (NON-SWITCHBOARD). TECHLINK SERVICE IS PROVIDED TO THE CUSTOMER FOR ONE YEAR. ANNUAL SUBSCRIPTION RENEWAL WILL BE INVOICED TO THE CUSTOMER ON THE ANNIVERSARY OF START-UP.

PROJECT COLOR CODE:

NEW BY DMP = BLACK
EXISTING EQUIPMENT BY CUSTOMER = BLUE
NEW EQUIPMENT BY CUSTOMER AND/OR CUSTOMER RESPONSIBILITIES = GREEN
REVISIONS = ORANGE

COMPRESSED AIR SUPPLY:

80-100 CFM @ 100 PSI WITH REGULATOR AND FILTER (PEAK).
(DRY AIR PROTECTED TO 40° F PRESSURE DEWPOINT LEVEL).

A) MAIN FEED PUMPS (MFP-A AND MFP-B); 20 CFM @ 50 PSI
B) SLUDGE THICKENER FEED PUMP (STFP-A); 10 CFM @ 50 PSI
C) TRANSFER PUMP (TP-A); 10 CFM @ 50 PSI
D) FILTER PRESS FEED PUMP (FPFP-A); 30 CFM @ 100 PSI
E) FILTER PRESS RAM; 3 CFM @ 100 PSI
F) MAIN CONTROL PANEL; 30 CFM @ 100 PSI

NOTES:

1) PLUMBING SHALL BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.

FOR APPROVAL

PROGRESS DRAWING - DO NOT USE FOR CONSTRUCTION

☐ Reviewed & Approved ☐ Revised & Resubmit
☐ Rejected ☐ Furnish as corrected

The signature below signifies acceptance by the company of the equipment represented on this drawing. Any modification necessary to the system due to mis-information of dimension obtained from the customer or as noted on this DRWG will be made only by written design change notice or by customer order.

Company _____
Location _____
Date: _____ By: _____

Please return a hard copy with original signature.

No.	Revision	By	Date

DMP Corporation
Rock Hill, South Carolina
Phone : (803)324-2401
Fax : (803)324-5773

Drawn: JA Dept: ENGR. | App'd: Dept: ENGR. | App'd: Dept: TECH SER.
Scale: N.T.S. | App'd: Dept: MANAGEMENT | App'd: Dept: MANUF.

ADVANCED INDUSTRIAL MANAGEMENT FOR AISIN CHEMICAL LOCATED IN CROTHERSVILLE, INDIANA

TITLE PAGE WITH UTILITY REQUIREMENTS

Date : JULY 8, 2014

Dwg. No. : 12212-TITLE-R0

EQUIPMENT SCHEDULE:

1) RINSE WATER EMERGENCY HOLDING AND FLOW EQUALIZATION TANK (T-1); OFV-96-5,989 GALS. X 16'-0" HT. (FIBERGLASS).
2) MAIN FEED PUMPS (MFP-A AND MFP-B); 1 1/2" POLYPROPYLENE WITH SANTOPRENE (ARO).
3) NEUTRALIZATION TANK (N-1); OVF-55-700 GALS. X 5'-10" HT. (POLYETHYLENE).
4) NEUTRALIZATION TANK (N-2); OVF-55-700 GALS. X 5'-10" HT. (POLYETHYLENE).
5) FLOCCULATOR TANK; OVF-36-260 GALS. X 5'-0" HT. (POLYETHYLENE).
6) GRAVITY SETTLER; MODEL 200/55X.
7) SLUDGE THICKENER FEED PUMP (STFP-A); 1" CAST IRON WITH SANTOPRENE (ARO).
8) SLUDGE THICKENER TANK; OVF-69-1,250 GALS. X 7'-0" HT. (POLYEHTYLENE).
9) SLUDGE THICKENER VALVE RACK.
10) PUMP STAND; 1'-6" WIDE X 4'-0" LONG X 4'-0" HEIGHT.
11) TRANSFER PUMP (TP-A); 1" POLYPROPYLENE WITH SANTOPRENE (ARO).
12) FILTER PRESS FEED PUMP (FPFP-A); 1 1/2" CAST IRON WITH SANTOPRENE (ARO).
13) AUTOMATIC 6 FT^3 FILTER PRESS WITH 3 FT^3 EXPANSION PIECE, 630 MM PLATES, DUMPSTER, AND DMP PRESS MANAGER.
14) FINAL DISCHARGE TANK; OVF-52-500 GALS. X 5'-0" HT. (POLYETHYLENE).
15) FINAL DISCHARGE PUMP (FDP-A); G & L NPE/2ST WITH 2 HP MOTOR AND 4 7/8" IMPELLER. (45 GPM @ 82 TDH [35.5 PSI])
16) FINAL FLOWMETER (FM-A); SIGNET (MODEL 2537) INSERTION PADDLEWHEEL WITH A 4-20 mA OUTPUT.
17) (3) CHEMICAL FEED TANKS; OVF-36-200 GALS. X 4'-0" HT. (POLYETHYLENE) WITH MIXERS (1/3 HP, 1 ϕ, 120 VOLTS), 1/2" ARO PUMPS AND COVERS.
18) POLYMER FEED SYSTEM.
19) FLOCCULANT DRUM (DMP 300L).
20) CHEM-1 DRUM (DMP 500P).
21) INSPECTION DECK; 3'-4" WIDE X 12'-0" LONG X 7'-3 1/2" HEIGHT.
22) CONTROL PANEL INSPECTION DECK; 3'-4" WIDE X 20'-0" LONG X 7'-3 1/2" HEIGHT.
23) TANK DECK; 5'-0" WIDE X 11'-5" LONG X 5'-2" HEIGHT.
24) FLOC TANK DECK; 5'-0" WIDE X 3'-7" LONG X 6'-0" HEIGHT.
25) E-CONTROLLER 10.

3 PHASE ELECTRICAL SERVICE:

A) MAIN CONTROL PANEL
460 VOLTS/40 AMPS/3 PHASE/60 HERTZ WITH EARTH GROUND

TAPWATER/POTABLE WATER:

A) CHEMICAL FEED, 1" DIAMETER

COMMUNICATION SERVICE:

CUSTOMER SHALL PROVIDE A HIGH SPEED INTERNET OR VPN CONNECTION IN DMP's MAIN CONTROL PANEL (NON-SWITCHBOARD). TECHLINK SERVICE IS PROVIDED TO THE CUSTOMER FOR ONE YEAR. ANNUAL SUBSCRIPTION RENEWAL WILL BE INVOICED TO THE CUSTOMER ON THE ANNIVERSARY OF START-UP.

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80-100 CFM @ 100 PSI WITH REGULATOR AND FILTER (PEAK).
(DRY AIR PROTECTED TO 40° F PRESSURE DEWPOINT LEVEL).

A) MAIN FEED PUMPS (MFP-A AND MFP-B); 20 CFM @ 50 PSI
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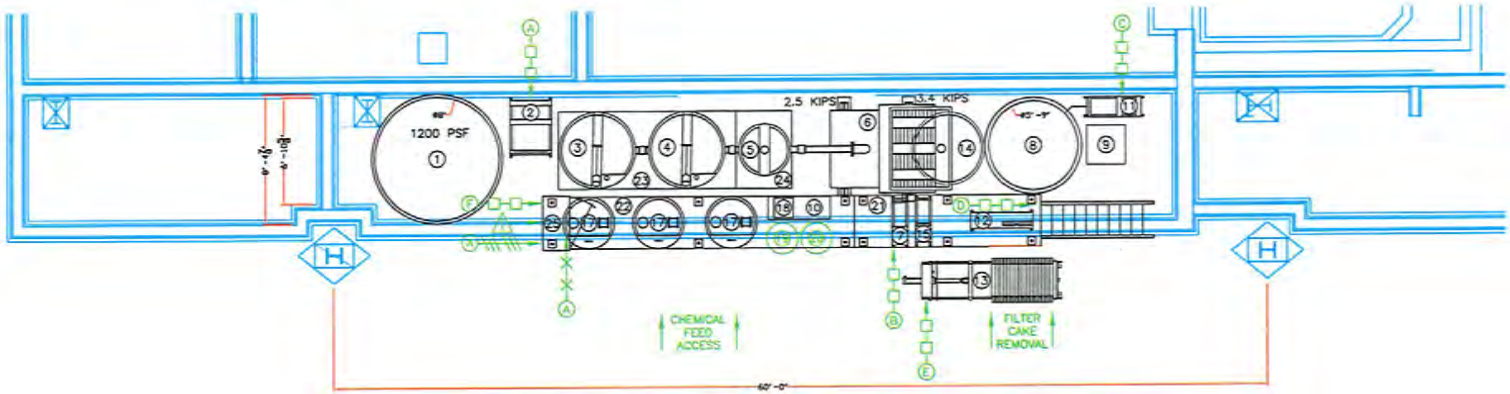
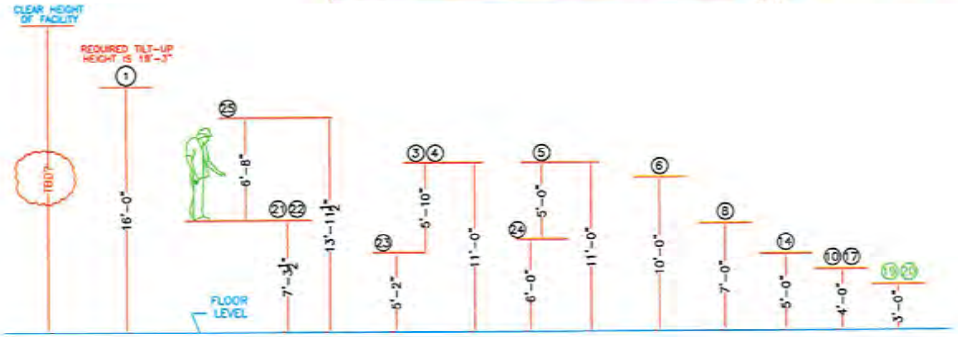
F) MAIN CONTROL PANEL; 30 CFM @ 100 PSI





PROGRESS DRAWING — DO NOT USE FOR CONSTRUCTION

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☐ Rejected ☐ Furnish as corrected

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Location _____
Date: _____ By: _____

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FOR APPROVAL

No.	Revision	By	Date

DMP Corporation
Rock Hill, South Carolina
Phone : (803)324-2401
Fax : (803)324-5773

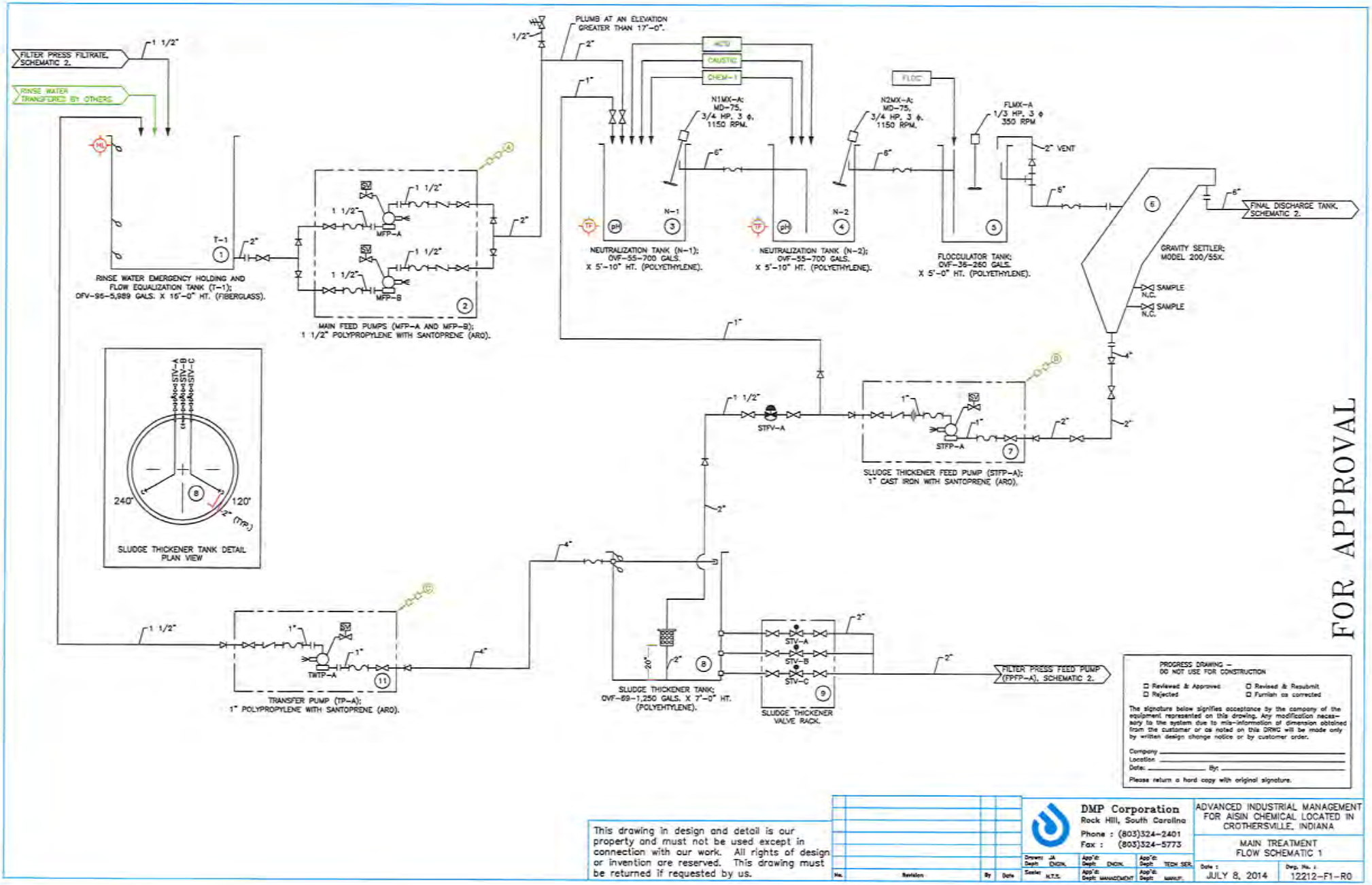
Drawn: JA Dept: ENGIN. | App'd: Dept: ENGIN. | App'd: Dept: TECH SER.
Scale: 1/8"=1' | App'd: Dept: MANAGEMENT | App'd: Dept: MANUF.

ADVANCED INDUSTRIAL MANAGEMENT FOR AISIN CHEMICAL LOCATED IN COTHERSVILLE, INDIANA

EQUIPMENT LAYOUT WITH EQUIPMENT SCHEDULE

Date : JULY 8, 2014

Dwg. No. : 12212-L1-R0



FOR APPROVAL

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☐ Rejected ☐ Furnish as corrected

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Rock Hill, South Carolina
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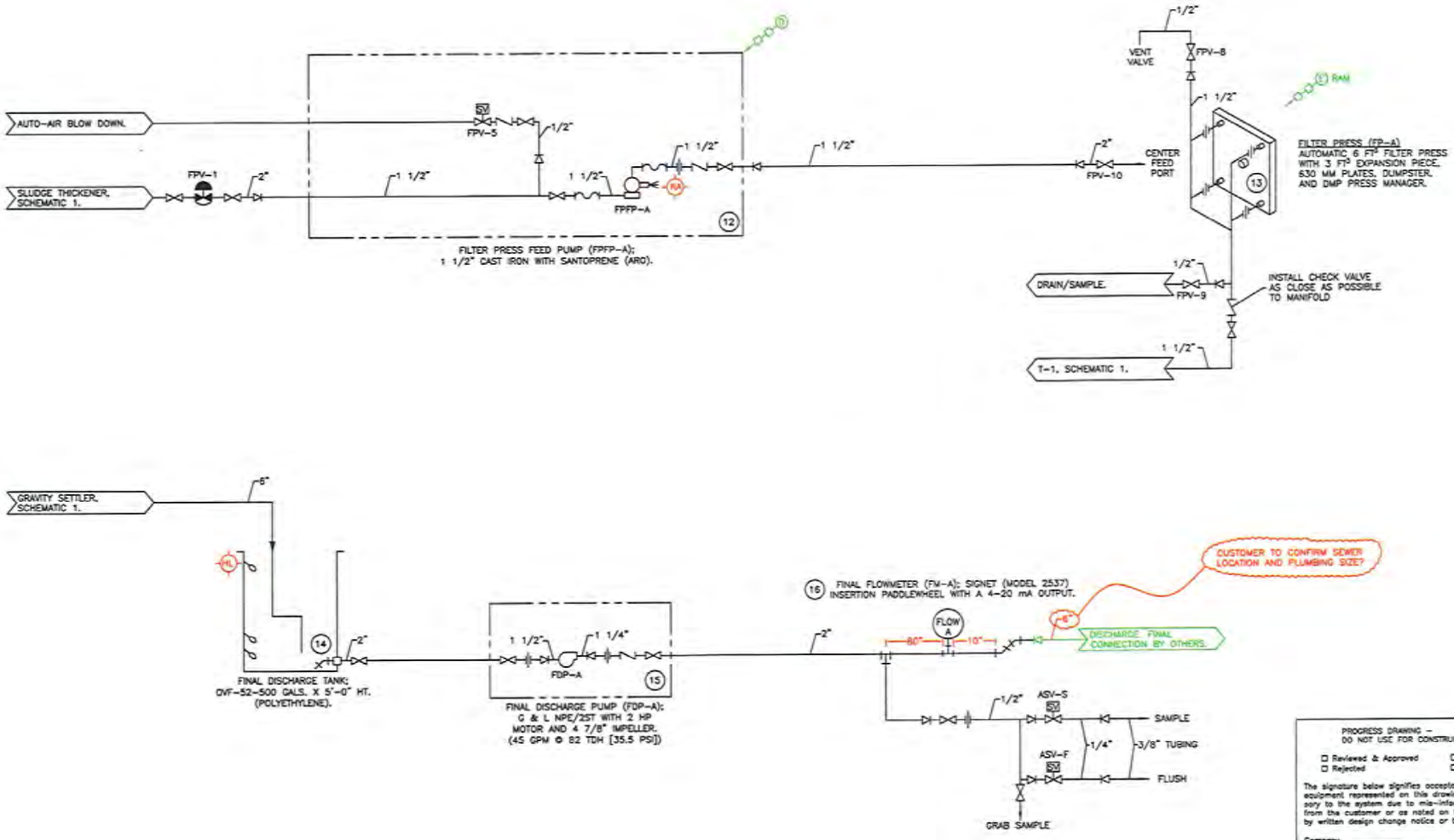
Appr'd: Dept: ENGR.
Appr'd: Dept: TECH SER.
Scale: N.T.S.
Appr'd: Dept: MANAGEMENT
Appr'd: Dept: MANUF.

ADVANCED INDUSTRIAL MANAGEMENT FOR AISIN CHEMICAL LOCATED IN CROTHERSVILLE, INDIANA

MAIN TREATMENT FLOW SCHEMATIC 1

Date : JULY 8, 2014

Dwg. No. : 12212-F1-R0



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Location _____
Date: _____ By: _____

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No.	Revision	By	Date

DMP Corporation
Rock Hill, South Carolina
Phone : (803)324-2401
Fax : (803)324-5773

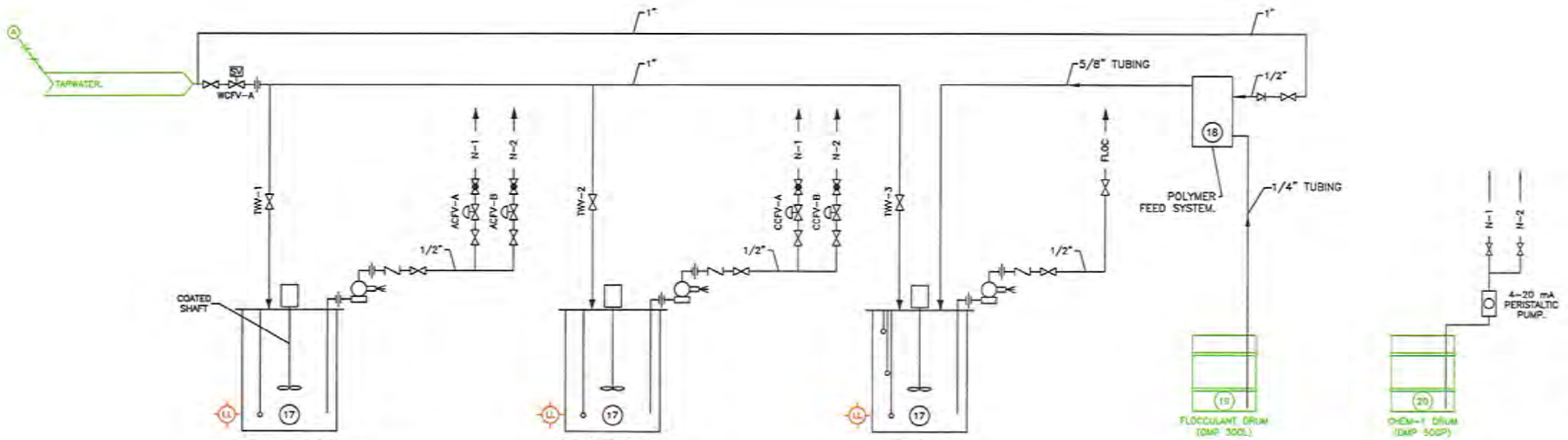
Drawn: JA Dept: ENGR. | App'd: Dept: ENGR. | App'd: Dept: TECH SER.
Scale: N.T.S. | App'd: Dept: MANAGEMENT | App'd: Dept: MANUF.

ADVANCED INDUSTRIAL MANAGEMENT FOR AISIN CHEMICAL LOCATED IN CROTHERSVILLE, INDIANA

SLUDGE DEWATERING FLOW SCHEMATIC 2

Date : JULY 8, 2014

Dwg. No. : 12212-F2-R0



FOR APPROVAL

PROGRESS DRAWING — DO NOT USE FOR CONSTRUCTION

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Date: _____ By: _____

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No.	Revision	By	Date

DMP Corporation
Rock Hill, South Carolina
Phone : (803)324-2401
Fax : (803)324-5773

Drawn: JA Dept: ENGIN.
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App'd: Dept: TECH SER.
Scale: N.T.S.
App'd: Dept: MANAGEMENT
App'd: Dept: MANUF.

ADVANCED INDUSTRIAL MANAGEMENT FOR AISIN CHEMICAL LOCATED IN CROTHERSVILLE, INDIANA

CHEMICAL FEED FLOW SCHEMATIC 3

Date : JULY 8, 2014

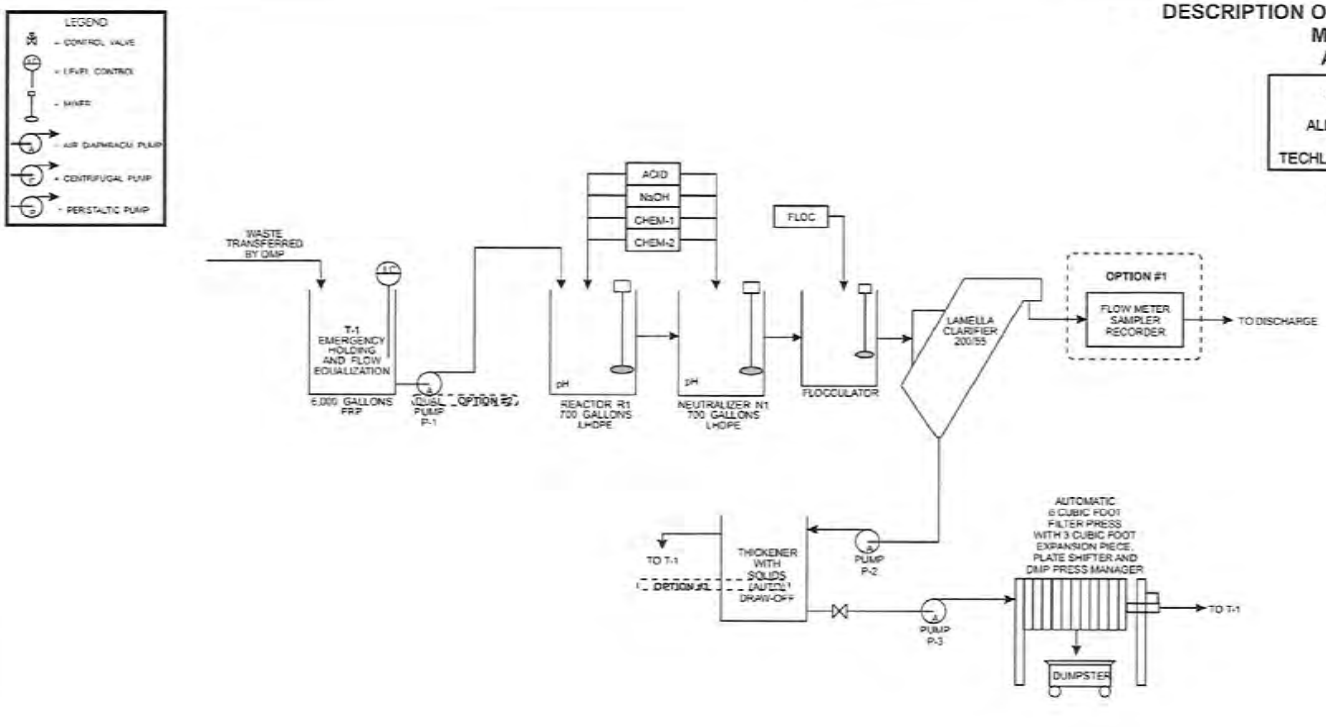
Dwg. No. : 12212-F3-R0

Attachment E – Description of Waste Water Treatment System

DESCRIPTION OF WASTEWATER TREATMENT PROCESS
MODULE 6000 (45 US GPM)
ANODIZE WASTE WATER

DMP E-CONTROLLER/10 USES
ALLEN BRADLEY PLC WITH
ALLEN BRADLEY COLOR GRAPHICS
A 15" TOUCHSCREEN WITH
TECHLINK SERVICE AND AIR CONDITIONER

RE: AISIN CHEMICAL



NOTE: ALL INTERCONNECTING PLUMBING IS SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED

DMP CORPORATION
INDUSTRIAL WATER TREATMENT
400 Bryant Blvd
Rock Hill, SC, USA 29732
Business: 803/324-2401
Fax: 803/324-5773

FLOW SCHEMATIC
ADVANCED INDUSTRIAL MANAGEMENT
RE: AISIN CHEMICAL

DATE: 04/22/14 DWG NO. 12212R4

Attachment F – Waste Water Sample

element

Element
Suite 100, 328 Ley Road
Fort Wayne, Indiana
46825, United States

T: +1 (260) 471-7000
F: +1
E: Info.FortWayne@element.com
W: www.element.com

February 26, 2024

Corey McNew
Aisin Chemical Indiana, LLC
1004 Industrial Way
Crothersville, IN 47229

RE: Paper Line

Dear Corey McNew:

Lot Id: 177619

Element Materials Technology – Fort Wayne received 3 sample(s) on 2/15/2024 for the analyses presented in the following report.

In accordance with your instructions, a laboratory of Element Materials Technology Fort Wayne LLC either conducted or subcontracted these analyses. Subcontracted analyses will be identified in an accompanying case narrative and any associated report(s) will be attached in full. Unless otherwise noted in the case narrative, all analyses were conducted using approved methodologies. Reported results relate only to the items tested.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Nicole Breauchy

Nicole Breauchy
Project Manager
Suite 100, 328 Ley Road,
Fort Wayne, IN 46825

Accreditation	Cert #	Accreditation	Cert #
TNI:2016 (Florida)	E871168	Louisiana	235913
ISO 17025:2017 (A2LA)	6190.02	Michigan	9030
Indiana – Fort Wayne	C-02-03	South Dakota	--
Indiana – Fort Wayne	M-02-05	Tennessee	04911
Indiana – Columbus	M-03-02		
Indiana – South Bend	M-71-02		

element

Element
Suite 100, 328 Ley Road
Fort Wayne, Indiana
46825, United States

T: +1 (260) 471-7000
F: +1
E: Info.FortWayne@element.com
W: www.element.com

Analytical Report

Bill To: Aisin Chemical Indiana, LLC
1004 Industrial Way
Crothersville, IN, United States
47229
Attn: Accounts Payable
Sampled By:
Company:

Project ID: Paper Line
Project Name:
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **177619**
Control Number:
Date Received: Feb 15, 2024
Date Reported: Feb 26, 2024
Report Number: 278656
Report Type: Final Report

Reference Number 177619-1 **Sample Date** 2024-02-15 08:00
Sample Description PL001 **Sample Matrix** Wastewater

Analyte		Result	Units	Qal	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials
Aggregate Organic Constituents								
Biochemical Oxygen Demand	BOD	7	mg/L		1	2	Feb 16, 2024 11:30	CS
Physical and Aggregate Properties								
Total Suspended Solids	Non-Filterable Residue	<40	mg/L		1	2	Feb 19, 2024 11:55	AW

Reference Number 177619-2 **Sample Date** 2024-02-15 08:00
Sample Description PL002 **Sample Matrix** Wastewater

Analyte		Result	Units	Qal	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials
Aggregate Organic Constituents								
Oil & Grease, Total		<5	mg/L		1		Feb 23, 2024 16:38	KL
Oil & Grease, Total	Calculated Reporting Limit	<5	mg/L		1		Feb 23, 2024 16:38	KL

Reference Number 177619-3 **Sample Date** 2024-02-15 08:00
Sample Description PL003 **Sample Matrix** Wastewater

Analyte		Result	Units	Qal	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials
Metals - Total in Water by ICP-MS								
Aluminum	Total	1.06	mg/L		1	0.20	Feb 19, 2024 06:44	FR
Zinc	Total	0.0506	mg/L		1	0.00040	Feb 19, 2024 06:44	FR

Approved by: Nicole Breauchy

Nicole Breauchy
Project Manager

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

element

Element
Suite 100, 328 Ley Road
Fort Wayne, Indiana
46825, United States

T: +1 (260) 471-7000
F: +1
E: Info.FortWayne@element.com
W: www.element.com

Methodology and Notes

Bill To: Aisin Chemical Indiana, LLC
1004 Industrial Way
Crothersville, IN, United States
47229
Attn: Accounts Payable
Sampled By:
Company:

Project ID: Paper Line
Project Name:
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **177619**
Control Number:
Date Received: Feb 15, 2024
Date Reported: Feb 26, 2024
Report Number: 278656
Report Type: Final Report

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
BOD and CBOD in water	SMEWW	BOD: 5-Day Test, 5210B	Feb 16, 2024	Fort Wayne
Metals ICP-MS Total in water	EPA	Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry, E200.8	Feb 19, 2024	Fort Wayne
Oil and Grease	EPA	n-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, E1664	Feb 23, 2024	Fort Wayne
Solids - Suspended	SMEWW	Total Suspended Solids, 2540D	Feb 19, 2024	Fort Wayne

References

EPA	United States Environmental Protection Agency
SMEWW	Standard Methods for the Examination of Water and Wastewater

Comments:

- Feb 22, 2024 - The dilution water blank for the BOD/CBOD analysis was outside of acceptance limits. This data is accepted based on acceptable recoveries in additional associated QC.

  The laboratory control standard (LCS) recovery was outside of acceptance limits for the CBOD analysis. The acceptable recovery range is 84.6% to 115.4%. The LCS for this batch had a recovery of 72.5%. This data is reported based upon the acceptable recoveries in additional QC for the Method Blank, BOD LCS and sample duplicates.

element

Element
Suite 100, 328 Ley Road
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46825, United States

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F: +1
E: Info.FortWayne@element.com
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Report Transmission Cover Page

Bill To: Aisin Chemical Indiana, LLC
1004 Industrial Way
Crothersville, IN, United States
47229
Attn: Accounts Payable
Sampled By:
Company:

Project ID: Paper Line
Project Name:
Project Location:
LSD:
P.O.:
Proj. Acct. code:

Lot ID: **177619**
Control Number:
Date Received: Feb 15, 2024
Date Reported: Feb 26, 2024
Report Number: 278656
Report Type: Final Report

Contact	Company	Address
Corey McNew	**Aisin Chemical Indiana, LLC**	1004 Industrial Way Crothersville, IN 47229 Phone: (812) 525-7082 Fax: Email: cmcnew@aisinchemin.com

Delivery	Format	Deliverables
Email	PDF	COC / Test Report

Contact	Company	Address
Mark Warren	**Aisin Chemical Indiana, LLC**	1004 Industrial Way Crothersville, IN 47229 Phone: (812) 525-7082 Fax: Email: mwarren@aisinworld.com

Delivery	Format	Deliverables
Email	PDF	COC / Test Report

Notes To Clients:

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Attachment G – Product Quantity List

Product Quantity List - Aisin Chemical - Crothersville, IN

Client: 2627 Reporting Year: 2024 Print Date: 03-11-2024

Corner stone#	Ref #	Manufacturer	Product Name	Msds Date	Max Amt	Avg Amt	Units	Container	Storage Location
27345-5		HENKEL CORPORATION	LOCTITE LB 771 NICKLE GRADE ANTI-SEIZE (IDH NUMBER: 234248; ITEM NUMBER: 51102)	08-23-2021					
33943-3		LONZA AMERICA INC.	ZINC OMADINE FPS AQUEOUS DISPERSION INDUSTRIAL BACTERICIDE & FUNGICIDE - ZN OMADINE 48% FPS IND.	02-19-2019					
54903-4		EP MINERALS, LLC.,	CELATOM FW-6,FW-12, FW-14, FW-18, FW-20, FW-40, FW-50, FW-60, FW-70, FW-80, SP	03-06-2020					
58205-3		OATEY CO.	OATEY CLEAR PRIMER - NSF LISTED FOR CPVC AND PVC	12-01-2017					
58547-7		SPARTAN CHEMICAL COMPANY, INC.	ORANGE TOUGH 40 (2240)	04-02-2021					
58666-3		SUNNYSIDE CORPORATION	MINERAL SPIRITS (803)	03-11-2021					
59014-5		CLOROX COMPANY, THE	CLOROX REGULAR- BLEACH1 (US001066)	12-10-2020					
60552-6		JUNGBUNZLAUER INC	CITRIC ACID ANHYDROUS	10-31-2022					
65942-0		SUZORITE MICA PRODUCTS, INC.	SUZORITE MICA (20-L, 20-S, 40-S, 60-S, 60-HK, 80-SF, 150-S, 150-GE, 150-NY, 200-S, 200-MD, 200-HK, 325-S, 325-HK, 400-HK))	03-01-2006					
67095-2		MARKEM-IMAJE	5191	07-13-2022					
68762-3		CEMEDINE CO., LTD.	CEMEDINE R954 (GUS0537-1)	10-31-2016					
71450-5		DOW CHEMICAL COMPANY, THE	PRIMAL TT-615 THICKENER	08-31-2021					
71452-4		ELEMENTIS	BENTONE CT	08-30-2018					
71461-6		HUBER CARBONATES, LLC	HUBERCARB Q200	04-25-2019					
71482-6		DOW CHEMICAL COMPANY, THE	PROPYLENE GLYCOL INDUSTRIAL GRADE	10-25-2022					

Product Quantity List - Aisin Chemical - Crothersville, IN

Client: 2627 Reporting Year: 2024 Print Date: 03-11-2024

Corner stone#	Ref #	Manufacturer	Product Name	Msds Date	Max Amt	Avg Amt	Units	Container	Storage Location
74873-4		GARDNER DENVER, INCORPORATED	AEON 9000SP	02-20-2018					
74941-3		IMERYS.	(CELITE =C) C219, C233, C263, C281, C388, C427A, C499, SUPER FINE SUPER FLOSS, SUPER FLOSS, WHITE MIST (ALL), CWPP8	09-23-2020					
75531-4		KEMIRA CHEMICALS, INC.	SUPERFLOC C-581	06-03-2020					
77218-8		HENKEL CORPORATION	LOCTITE 565 PST PIPE SEALANT THREAD SEALANT (IDH NUMBER: 88551, ITEM NUMBER: 56531)	08-24-2023					
79039-3		PROCTER & GAMBLE PROFESSIONAL,	DAWN PROFESSIONAL DISH DETERGENT CONCENTRATE (90077106_PROF_NG) (FORMERLY KNOWN AS (96663951_PROF_NG))	12-06-2021					
79226-4		ELEMENTIS	DAPRO DF 975	08-30-2018					
80127-5		EXXON MOBIL CORPORATION	MOBIL ALMO 525 (201560B08020, 603183-00, 970924)	09-03-2019					
80826-1		DOW CHEMICAL COMPANY, THE	EMULSION EXP-4160	03-09-2012					
84933-3		CARGILL INCORPORATED	DIAMOND CRYSTAL BRIGHT & SOFT SALT PELLETS (922116)	02-17-2018					
85223-4		AMAZING PRODUCTS, INC.	LIQUID FIRE DRAIN LINE OPENER	03-22-2018					
87556-5		HANNA INSTRUMENTS, INC.	PH 10.01 BUFFER SOLUTION (HI7010)	06-27-2019					
88000-5		INGERSOLL RAND	IR ALLSEASON	01-05-2018					
88305-4		OATEY CO.	OATEY ALL PURPOSE CLEAR CEMENT (1403E, 30818(TV), 30821(TV), 30834 (TV), 30847, 30847L, 30848, 31650, 31651, 32208, 32209)	12-17-2017					

Product Quantity List - Aisin Chemical - Crothersville, IN

Client: 2627 Reporting Year: 2024 Print Date: 03-11-2024

Corner stone#	Ref #	Manufacturer	Product Name	Msds Date	Max Amt	Avg Amt	Units	Container	Storage Location
88324-11		RUST-OLEUM CORPORATION	ROHPER +LSPR 6PK GLOSS BLACK (V2179838)	12-30-2020					
88598-6		SOLVCHEM CONSUMER PRODUCTS	CROWN XYLOL	03-25-2021					
88727-7		SHELL OIL PRODUCTS US	SHELL TURBO OIL T 32 (001A9782)	08-14-2020					
88809-6		SAF-T-LOK INTERNATIONAL CORPORATION	SAF-T-EZE REGULAR ANTI-SEIZE (80102, 80112, 80122,80125, 80127, 80137, 80153, 80155, 80157, 80158, 80160, 80161, 80165, 80178, 80189, 80199)	01-07-2018					
88985-15		SHERWIN-WILLIAMS COMPANY, THE	INDUSTRIAL ENAMEL SAFETY YELLOW (B54Y37)	11-24-2022					
89342-5		SHELL OIL PRODUCTS US	SHELL OMALA S2 G 150 (001D7836)	05-17-2023					
90432-7		WORTHINGTON CYLINDER CORPORATION	PROPANE	09-09-2022					
90482-6		CHEMSTATION OF INDIANA	6905	09-15-2018					
91392-4		UNITED STATES GYPSUM COMPANY	SHEETROCK BRAND ALL PURPOSE JOINT COMPOUND (POWDERED) (917158)	04-19-2018					

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91558-5		COMPASS MINERALS AMERICA INC.	SODIUM CHLORIDE (#20427) (SIFTO WATER CARE PRODUCTS, SIFTO SAFE STEP EXTREME, SAFE STEP 3500 MAX-BLEND, AMERICAN BACKWOODS ANIMAL NUTRITION PRODUCTS, AMERICAN STOCKMAN ANIMAL NUTRITION PRODUCTS, ASPEN, ASPEN BLUE, SIFTO CANADIAN STOCKMAN ANIMAL NUTRITION PRODUCTS, COMMERCIAL BULK ROCK SALT, ICEAWAY TURBO PLUS, SAFE STEP PRO SERIES ECONO BLEND BLUE 370, ICEAWAY ROCK SALT, ICEAWAY TURBO, ICEAWAY TURBO BLUE, MAXIFONTE, NATURAL SALT WATER CARE, SUN SOFT WATER CARE PRODUCTS, PROSOFT WATER CARE PRODUCTS, QWIKSALT	08-16-2021					
92026-3		FLORIDA CHEMICAL COMPANY (SUPPLIED BY SUPERIOR OIL)	TECHNICAL GRADE D-LIMONENE BHT (301003)	06-05-2019					
92031-4		POTTERS INDUSTRIES LLC	BALLOTINI IMPACT BEADS	09-10-2021					
92545-6		KURARAY CO., LTD.	MMB (KIM-019US)	11-14-2022					
92549-7		DOW CHEMICAL COMPANY, THE	DOWFAX 2A1 SOLUTION SURFACTANT	04-22-2022					
92709-6		W.M. BARR	KLEAN-STRIP ACETONE (CAC18, DAC18, GAC18, GAC182, QAC18, QAC184, PA12270, GAC18HDQP, GAC18HDWS, GAC18P, PAC181)	06-26-2019					
92716-8		MASTER APPLIANCE CORP.	ULTRATANE BUTANE FUEL	01-04-2021					

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94331-8		W.M. BARR	KLEAN STRIP PAINT THINNER (PROD CODE: CKPT94402, EKPT94401, GKPT94002, GKPT94002P, GKPT94400, QKPT94003, QKPT942003, QKPT943)	11-05-2021					
94791-7		HENKEL CORPORATION	LOCTITE 222MS KNOWN AS LOCTITE SMALL SCRW TL 222 (IDH NUMBER: 135333; ITEM NUMBER: 22221)	01-04-2022					
96013-12		KANO LABORATORIES, LLC	KROIL PENETRANT - ORIGINAL AEROSOL (FORMERLY KNOWN AS AEROKROIL)	08-23-2022					
96608-7		ITW PRO BRANDS	LPS DETEX BELT DRESSING (02216)	02-23-2022					
97360-2		BASF CORPORATION	STYROFAN NX 6690 X	07-11-2018					
97804-3		YUKEN INDUSTRY CO., LTD	PAKUNA FD-6 (004770)	06-01-2016					
97951-7		SHERWIN-WILLIAMS COMPANY - KRYLON PRODUCTS GROUP	KRYLON BATTERY PROTECTOR (1307)	09-15-2021					
98149-6		W.M. BARR	KLEAN STRIP DENATURED ALCOHOL (CSL26, GSL26, GSL26SC, QSL26, QSL26W, QSL26SC)	08-10-2023					
98317-5		SPARTAN CHEMICAL COMPANY, INC.	ORANGE TOUGH 90 (2290)	04-02-2021					
99049-4		CLAIRE MANUFACTURING CO	XTREME ALL WEATHER DEGREASER	11-08-2019					
100538-1		EXXON MOBIL CORPORATION	TOYOTA GENUINE ATF WS (202030206522, 521377-00, 97Z693)	05-12-2016					
101698-11		EXXON MOBIL CORPORATION	MOBILGREASE XHP 222 (2015A0202530, 530436-00, 97E898)	06-17-2022					
102316-9		MARKEM-IMAJE	5191 (5191)	07-13-2022					
102640-2		BIOBLEND RENEWABLE RESOURCES, LLC.	BIOFLO FG 32	06-28-2018					

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102813-5		CRC INDUSTRIES, INC.	ICE-OFF WINDSHIELD SPRAY DE-ICER (05346, 1003777)	08-07-2017					
103436-3		INGREDION INCORPORATED	PENPURE 10 - 04400403 (FORMALLY PENCOOK 10)	03-21-2022					
104243-5		GARDNER DENVER	AEON PD	03-07-2015					
104725-3		CIMBAR PERFORMANCE MINERALS	CIMBAR 325, CIMBAR PC, CIMBAR XF, CIMBAR UF, CIMBAR EX, CIMBAR BF, BARIMITE 200, #22 BARYTES, #44 BARYTES, BARIMITE 10, BARIMITE XF, BARIMITE UF, BARISCAN ULTRA, BARISCAN ELITE, MITI-WITE B1, MITI-WITE B3, MITI-WITE B10. (FORMERLY KNOWN ASALL CIMBAR BARISCAN AND MITI-WITE PRODUCT LINES))						
105583-8		U.S. BATTERY MFG. CO.	LEAD-ACID BATTERY, WET ELECTROLYTE (SULFURIC ACID)	01-09-2020					
106232-9		RUST-OLEUM CORPORATION	ROHPER LSPR 6PK GLOSS SAFETY BLUE (V2124838)	05-29-2023					
106254-0		HODOGAYA CHEMICAL CO., LTD. - DYES AND COLORS	AIZEN MALACHITE GREEN	09-27-2007					
109018-4		AIKEN CHEMICAL COMPANY, INC.	PURPLE POWER INDUSTRIAL STRENGTH CLEANER/DEGREASER (4302P; 4315PS; 4319PS; 4320P; 4322P; 4325P; 4330; 4340; PP275; PP330)	05-04-2022					
109151-3		SHELL OIL PRODUCTS US	SHELL MORLINA S4 B 320 (001F2646) (FORMERLY KNOWN AS SHELL MORLINA S4 B 320 (001F2646) (FORMALLY SHELL OMALA OIL RL 320))	04-30-2018					
111542-5		NU-CALGON	EVAP FOAM NO RINSE-AEROSOL (4171-75)	02-26-2021					
111869-0		PERFORMIX BRAND	PLASTI DIP AND PLASTI DIP UV (F-698, 819, 820)	10-17-2008					

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112558-8		FISHER SCIENTIFIC	HYDROCHLORIC ACID SOLUTION, 0.1N (CERTIFIED) (SA54-1, SA54-4, SA54-10, SA54-20, T000541000)	12-24-2021					
112724-12		RUST-OLEUM CORPORATION	IC +SSPR 6PK GLOSS OSHA SAFETY YELLOW (1644830)	10-25-2023					
113760-2		IPS CORPORATION	WELD-ON 505 KEY TITE LOW VOC PIPE JOINT COMPOUND	03-01-2018					
114039-5		RUST-OLEUM CORPORATION	PTOUCH 2X +SSPR 6PK GLOSS WHITE (249090)	02-21-2023					
114770-4		SPARTAN CHEMICAL COMPANY, INC.	BIORENEWABLES INDUSTRIAL DEGREASER (2310)	07-02-2021					
115363-2		UNIVAR SOLUTIONS USA, INC.	ETHANOL RED BAND III 190 PROOF	01-17-2020					
115746-3		CANNON INSTRUMENT COMPANY	N26, N44, N75, N140, N250, N415, N750, N1000, N1000(KU), C200, G200, S200(KU),S200, C350, G350, N350, N350(KU), C600, G600, N600, S600(KU), S600, SV350, VP190,VP960	07-27-2017					
116071-5		HEXION INC	EPON RESIN 828	07-28-2020					
116900-4		AERVOE INDUSTRIES INCORPORATED	ZYNOLYTE HI-TEMP PAINT - AEROSOL HI-TEMP PAINT (Z630 ALUMINUM, Z635 BLACK, Z642 MACHINERY GREY, Z645 WHITE)	05-04-2021					
117134-0		MEISEI CHEMICAL WORKS, LTD	ALKOX SP	03-13-2008					
117135-1		AIR WATER BELLPEARL INC.	BELLPEARL S890 (20KG KRAFT BAG)	03-22-2013					
117136-1		MEISEI CHEMICAL WORKS LTD	FILEX M	02-20-2014					
117138-3		MEISEI CHEMICAL WORKS LTD	FOAMLESS PE-100Z (REFERENCE NO.F-69)	06-23-2022					

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117139-3		NICCA USA, INC	FOAMLEX 797 (500400006) (FORMERLY KNOWN AS ((01507)))	02-25-2022					
117141-0		NIPPON GRAPHITE INDUSTRIES, LTD.	GRAPHITE POWDER CPS	10-19-2011					
117143-0		NIPPON GRAPHITE INDUSTRIES, LTD.	GRAPHITE POWDER F#2	10-19-2011					
117144-0		NIPPON GRAPHITE INDUSTRIES, LTD.	GRAPHITE POWDER PAG-5	10-19-2011					
117145-0		SAKAI CHEMICAL INDUSTRY CO., LTD.	GROUND BARITE BD	07-02-2012					
117150-0		NIPPON INDUSTRIES CO., LTD.	DISSOLVING PULP	12-20-2012					
117151-4		SANYO COLOR WORKS, LTD.	SANDYE BLACK P PASTE 2910 (23493300)	07-24-2023					
117152-0		ARAKAWA CHEMICAL INDUSTRIES, LTD.	POLYSTRON 851	07-18-2000					
117153-4		SUMITOMO BAKELITE NORTH AMERICA, INC. / DUREZ CORPORATION.	PR-54562DZ THERMOSETTING LIQUID PHENOLIC RESIN	01-07-2019					
117154-3		TEIJIN ARAMID BV	TWARONÂ® PARA-ARAMID YARN / PULP / JETSPUN / FIBER (ASDS ID: TA00101)	06-15-2017					
117155-0		SAKAI CHEMICAL INDUSTRY CO., LTD.	ZINC OXIDE NO. 1	07-24-2012					
117317-0		ARCH CHEMICALS, INC.	OMACIDE IPBC 30 DPG INDUSTRIAL FUNGICIDE	01-09-2005					
117318-4		FISHER SCIENTIFIC COMPANY	BROMOTHYMOL BLUE SOLUTION 0.04% (SI22-500)	12-24-2021					
117321-0		RICCA CHEMICAL COMPANY LLC	BROMOCRESOL PURPLE INDICATORS, AQUEOUS (1300, B-174, B-175, B-180, BX-914, SB016600)	03-21-2013					

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117322-0		RICCA CHEMICAL COMPANY LLC	METHYL ORANGE AQUEOUS INDICATORS (4980, 5000, 5020, 5025, M-184, M-188, M-190, M-191, M-195, M-196, M-198, M061200, M061260, M061270, MX-946, SM061200, SM061260, SM061270)	12-19-2010					
117323-13		YUKEN AMERICA , INC.	ALUNION MEA	10-31-2019					
117568-5		SPRAYON PRODUCTS GROUP	EL 848 FLASH FREE ELECTRICAL DEGREASER AEROSOL (SC0848T00)	08-01-2022					
117664-4		SHELL OIL PRODUCTS US	SHELL OMALA S2 G 220 (001D7837)	06-05-2020					
117962-5		GOJO INDUSTRIES, INC.	GOJO CHERRY GEL PUMICE HAND CLEANER	04-19-2022	5.00	2.50	GAL	PLASTIC BOTTLES OR JUGS	Facilities
118179-2		CLOROX SALES COMPANY	ORIGINAL PINE-SOL MULTI-SURFACE CLEANER	02-04-2019					
118762-2		CBG BIOTECH, LTD	FORMULA 66 (TOLUENE SUBSTITUTE) (CH0106)	02-12-2018					
119590-2		UNIVAR SOLUTIONS USA, INC.	METHYL ETHYL KETONE	11-11-2023					
121784-1		BUSCH LLC	BUSCH R 550	08-11-2015					
122126-4		SIKA CORPORATION	SIKASIL-GP	10-31-2022					
122839-2		SHERWIN-WILLIAMS COMPANY, THE	KRYLON BATTERY CLEANER (1336)	10-01-2021					
123299-4		SPRAYON PRODUCTS GROUP	CD 880 GENERAL PURPOSE CLEANER AEROSOL (SC0880000)	08-01-2022					
125820-4		SPRAYON PRODUCTS GROUP	SP 859 HIT SQUAD INDUSTRIAL INSECTICIDE AEROSOL (S00859000)	11-25-2022					

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131653-3		PRESTONE PRODUCTS CORPORATION	PRESTONE 50/50 PREDILUTED ENGINE COOLANT/ANTIFREEZE PRESTONE 50/50 READY-TO-USE ANTIFREEZE/COOLANT (AF2050M, AF2050ML, AF2050M19, AF2050M200, AF2100, AF2100LCZ, AF2100LD, AF2100LHR, AF2100LRU, AF2100LT/F, AF2100PL, AF2100RU, AF2100S/F, AF2100S/FC, AF2100UK, AF2100/GF, AF2100/GFC, AF2100/X, AF2100-1KL/GF, AF2100-RETRO/F, AF2155/GF, AF2725, AF2725/GF, AF12050M, PDSPLY36-AFAS, PDSPLY36-AFASB, PDSPLY36-AFBW, PDSPLY36-AFC, PRES01R, PRES04R, WSS-M97B57-A2, 65077, 71175, 71175/GF, 71175/GFC, 71175/GFC3, 71183, 71	10-21-2019					
131955-4		YUKEN AMERICA, INC.	PAKUNA FD-201AA (SDS NO): FD201AA_USEN-1, A2021006)	11-23-2021					
140848-5		SUNSHINE MAKERS, INC.	SIMPLE GREEN ALL-PURPOSE CLEANER	01-01-2023					
141031-1		CLAIRE MANUFACTURING CO.	MR.JINX (1000008686)	01-10-2015					
141209-5		3M - INDUSTRIAL ADHESIVES AND TAPES DIVISION	3M SCOTCH-WELD CONCRETE REPAIR DP600 GRAY (PART A & PART B) (DOC GROUP: KIT 18-0740-3; PART A 18-0894-8; PART B 18-0901-1)	12-11-2020					
141564-3		BASF CORPORATION	ACRONAL 4053 X	05-29-2018					
141740-1		DOW CHEMICAL COMPANY, THE - AGENT FOR ROHM AND HAAS CHEMICALS LLC	ACOUSTICRYL AV-1331 EMULSION	04-09-2015					
142068-4		DOW CHEMICAL COMPANY THE	ACRYSOL ASE-60 THICKENER	09-08-2021					

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143312-1		CHASE CORPORATION SPECIALTY CHEMICAL INTERMEDIATES	DUALITE ACF-36 (DW010-1306)	03-23-2020					
143313-2		CHEMICAL INTERMEDIATES DIVISION OF CHASE CORPORATION	DUALITE ACF-20 (DW009-1305)	03-23-2020					
143361-1		UNIVAR SOLUTIONS USA, INC.	METHANOL	09-01-2019					
143917-6		SHELL OIL PRODUCTS US	SHELL TURBO OIL T 46 (001A9783)	06-01-2021					
144504-4		RECKITT BENCKISER LLC	LYSOLÂ® ALL PURPOSE CLEANER - ALL SCENTS (D8212215 (NA)) (1955-003 / 8173996 V1.0 (LEMON) 1967-019A / 8200249 V1.0 (FRESH ENERGY) 1660-185 / 8200251 V1.0 (ORANGE) 1660-184 / 8200252 V1.0 (GREEN APPLE) 1967-019B / 8200253 V1.0 (CITRUS) E0062-125 / 8200254 V1.0 (COUNTRY SIDE) E0062-099 / 8200255 V1.0 (LEMON) E0062-100 / 8200256 V1.0 (FRESH ENERGY), E0062-101 / 8200257 V1.0 (ORANGE) E0062-102 / 8200258 V1.0(GREEN APPLE) E0062-103 / 8200259 V1.0 (CHERRY POM) E0062-154 / 8200261 V1.0 (COUNTRY SIDE) 3084908 V1, EP	07-27-2020					
145381-1		DOW CHEMICAL COMPANY, THE - AGENT FOR ROHM AND HAAS CHEMICALS LLC	ACOUSTICRYL SD-380	08-25-2021					
145382-3		DOW CHEMICAL COMPANY THE	ACRYSOL TT-615 THICKENER (IDENTIFICATION NUMBER: 99176273 / A001)	08-31-2021					
145383-0		NICCA CHEMICAL CO., LTD	SUNTORL 317E	08-03-2015					
145384-1		SIEMER MILLING COMPANY	MILLED WHEAT PRODUCTS AND BYPRODUCTS	05-29-2018					
145408-0		NIPPON CARBIDE INDUSTRIES CO., INC.	NIKALET RCC (RD GRADE)	06-08-2011					

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147304-0		DMP, INC.	DMP 11054	10-24-2014					
147306-2		MACDERMID ENVIO SOLUTIONS	POLYMER ANIONIC EMULSION 256	12-02-2020					
148020-2		RUST-OLEUM CORPORATION	STRUST SSPR 6PK LEAK SEAL CLEAR (265495)	02-07-2019					
149016-1		CHEMPAK INTERNATIONAL, L.L.C.	CARBON BLACK (BCD, CD, CONDUCTEX, COPEBLACK, PM, RAVEN - POWDER OR BEADS, INCLUDING ULTRA VERSIONS OF THESE PRODUCTS)	04-01-2017					
149971-0		AICA KOGYO CO., LTD.	ZEFIAC F351	08-27-2014					
149972-2		EVONIK CORPORATION.	AMICURE UR-D(000005064987)	07-21-2020					
149973-0		AJINOMOTO FINE-TECHNO CO., INC.	AJICURE MY-24 (AJI-014EG)	03-05-2015					
149980-0		INOUE CALCIUM CORPORATION	QC-X	12-01-2014					
150019-0		ADEKA CORPORATION	ADEKA GLYCIROL (ED-506)	11-11-2011					
150020-0		ADEKA CORPORATION	ADEKA RESIN EP-49-10P (US-03115)	03-02-2012					
150021-1		ADEKA USA CORPORATION	ADEKA RESIN QR-9466 (US-00048-00)	03-31-2020					
150200-2		TOLSA USA INC	PANGEL B20	05-24-2020					
150201-4		HUNTSMAN ADVANCED MATERIALS AMERICAS LLC	ARALDITE DY-E US	11-09-2021					
150202-2		LION SPECIALTY CHEMICALS CO., LTD	CARBON ECP (SDS NO): 01123500_EU-1)	12-17-2001					
150204-2		SHIRASHI KOGYO KAISHA, LTD	CALBATEC VISCOLITE-OS	11-01-2016					

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150205-1		KANEKA NORTH AMERICA LLC	KANE ACE MX-153; MX-156; MX-113; MX-120; MX-120A; MX-125; MX-126 (105006)	08-05-2022					
150932-3		SHERWIN-WILLIAMS COMPANY, THE	PRO INDUSTRIAL WATERBORNE ACRYLIC DRYFALL - FLAT WHITE (B42W181)	02-22-2023					
156850-1		UNIVAR SOLUTIONS USA, INC.	SULFURIC ACID (16125824, 16114349, 696270, 74735, 59641) (FORMERLY KNOWN AS SULFURIC ACID W/MORE THAN 51%)	09-01-2019					
156922-1		COLGATE-PALMOLIVE CO.	FABULOSO ALL PURPOSE CLEANER LIQUID LAVENDER (200000046979)	03-07-2017					
158223-2		KRYLON PRODUCTS GROUP	KRYLON INDUSTRIAL TOUGH COAT ACRYLIC ENAMEL MAX FLAT BLACK (A03727007)	09-27-2021					
158657-2		AISIN CHEMICAL INDIANA	FERUCO 7000-US	11-02-2022					
158658-2		AISIN CHEMICAL INDIANA	FERUCO 4136BZ-US	11-02-2022					
158684-3		CVC THERMOSET SPECIALTIES - HUNTSMAN	OMICURE DDA10 CI	12-01-2022					
158706-2		EP MINERALS, LLC	CELABRITE, CELATOM MW-25, MW-27, MW-31	09-18-2022					
159290-0		SANCO INDUSTRIES, INC.	POND CHAMPS AQUA BLUE	08-17-2015					
159409-2		ALZCHEM LLC	DYHARD UR200	06-10-2022					
159419-3		SHELL OIL PRODUCTS US	SHELL TELLUS S2 MX 46 (001F8439)	02-17-2023					
159516-2		3M - INDUSTRIAL ADHESIVES AND TAPES DIVISION	3M SCOTCH-WELD EPOXY ADHESIVE 2214 HIGH DENSITY (DOC GROUP :10-2676-4, PRODUCT ID : 62-3414-2930-6, 00-21200-20813-3, 62-3414-8530-8, 00-21200-20814-0, 7000021289, 7010367423)	01-08-2021					
159641-2		IMPERIAL OIL DOWNSTREAM	3324 WS ATF (20203020A510)	11-09-2021					

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159653-0		RHOMAR INDUSTRIES, INC.	BLACK-MAX (RH-346)	05-07-2015					
159654-0		SHERWIN-WILLIAMS COMPANY, THE	SHER-KEM HIGH GLOSS METAL FINISHING ENAMEL HIGH HIDE WHITE (F75WC12)	11-03-2017					
159655-2		SHERWIN-WILLIAMS COMPANY, THE	SHERSCRUB SUPREME INTERIOR LATEX FLAT DEEP BASE (B30WF3053)	01-27-2023					
159656-2		UNIVAR SOLUTIONS USA, INC.	DBE ESTERS (16176076, 16174575, 16173123, 16158353, 16154737, 16154947, 16154672, 16143302, 16142535, 16141894, 16056010, 16045157, 788260, 781380, 777112, 776851, 692780, 680192, 625278, 598850, 597247, 554220, 54198, 71448, 70856, 70369, 53988, 505588, 504798, 503391, 502854, 20726, 20725, 20724, 20723, 20722, 502292) (FORMERLY KNOWN AS DIBASIC ESTER)	06-18-2021					
159657-1		UNIVAR SOLUTIONS USA, INC.	DIISONONYL PHTHALATE (16167135, 16135357, 16143335, 16128978, 16073092, 16072234, 16062990, 16032403, 507991, 20970, 39924, 579296, 20969, 16025535)	02-28-2017					
159658-2		UNIVAR	PHOSPHORIC ACID 75% (16191705, 16189247, 16187878, 16187425, 16186231, 16186258, 16141157, 16182767, 16145237, 16165195, 16136834, 16147498, 16148051, 16143710, 16145708, 16140792, 16144415, 16159605, 16159617, 16142016, 16140707, 16140387, 16142350, 16183377, 16174985, 16174605, 16168819, 16171132, 16148406, 16169198, 16168935, 16168509, 16168385, 16168384, 16168811, 16169045, 16172982, 16172981, 16172980, 16172979, 16172978, 16147419, 16149582, 16150354, 16143708, 16165452, 16145022, 16144636, 16159616, 1	05-05-2022					

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Corner stone#	Ref #	Manufacturer	Product Name	Msds Date	Max Amt	Avg Amt	Units	Container	Storage Location
159701-1		UNIVAR SOLUTIONS USA, INC.	FERRIC CHLORIDE 38% SOLUTION (16127710, 16127395) (FORMERLY KNOWN AS FERRIC CHLORIDE SOLUTION)	09-02-2019					
159712-0		CHEMSICO - DIV. OF UNITED INDUSTRIES CORP.	RID-A-BUG WASP & HORNET KILLER3 (EPA REG. NO: 9688-325)	02-24-2016					
159947-0		SK LUBRICANTS CO., LTD.	SK SUPER GEAR EP 220	05-06-2009					
161683-1		BLASTER CORPORATION, THE	CHAIN AND CABLE LUBE (16-CCL)	06-09-2022					
162534-0		UNIVAR	METHYL PROPYL KETONE	08-11-2015					
163649-0		QUANTUM INK COMPANY	SOLVENT UV INDICATOR (QSPE-19660)	10-19-2018					
164695-1		BRENNTAG PACIFIC INC.	SODIUM HYDROXIDE 50% DIA NSF	10-13-2021					
165426-1		SIGMA-ALDRICH INC.	GLYCEROL (G9012)	01-15-2020					
165427-1		HORIBA INSTRUMENTS	LK-500 (3100197373)	07-26-2019					
165617-1		BASF CORPORATION	PALATINOL N	01-07-2021					
165948-2		BLUE CUBE OPERATIONS LLC,	D.E.R 331 EPOXY RESIN (1000000240)	06-07-2021					
166398-1		SPRAYON PRODUCTS GROUP	LU711 THE PROTECTOR ALL-PURPOSE LUBRICANT AEROSOL (SC0711000)	04-17-2021					
166400-1		EXXONMOBIL CHEMICAL COMPANY SDS â€“ LOC. 106.	JAYFLEX DINP	07-13-2021					
166401-1		NIPPON SHOKUBAI AMERICA INDUSTRIES, INC.	ACRYSET NA-710	12-09-2021					
166408-2		SHERWIN-WILLIAMS COMPANY THE	SHER-KEM FAST DRY METAL FINISHING ENAMEL EXTRA WHITE (F75W200)	11-16-2023					
167007-0		JORGENSEN SALES/FILCO	AISIN BLUE AEROSOL (F78B550)	10-30-2015					

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167398-1		BASF CORPORATION	DISPEX AA 4414 EB (30684762)	02-24-2023					
167493-1		UNIVAR SOLUTIONS USA, INC.	SODIUM CARBONATE 16%	08-06-2020					
170274-0		SHELL OIL PRODUCTS US	SHELL TELLUS S2 V 46 (001D7750)	10-01-2018					
170278-1		TWINOXIDE NORTH AMERICA	TWINOXIDE .005% AQUEOUS SOLUTION	05-05-2020					
171910-0		DREUMEX USA, INC.	DREUMEX DISINFECTING WIPES	10-12-2018					
171911-0		CHEMSICO	REPEL INSECT REPELLENT SPORTSMEN MAX FORMULA 40% DEET (HG-33801; HG-73801; HG-83801; HG-94102; HG-94201)	10-04-2016					
171912-0		TOTAL SPECIALTIES USA INC	MULTIS COMPLEX EP 2	11-19-2020					
171913-0		ELEMENTIS	DAPRO DF 19	08-30-2018					
171914-1		ULINE SHIPPING SUPPLIES	ULINE ICE MELT (2063320)	08-23-2022					
172039-0		HANNA INSTRUMENTS, INC.	PH 4.01 BUFFER SOLUTION (HI7004)	11-04-2019					
172040-1		SHELL OIL PRODUCTS US	SHELL OMALA S4 WE 320 (001D7858)	03-04-2021					
172045-0		TSI PRODUCTS INCORPORATED	AVALANCHE R134A 18 OZ. (AVL-345)	09-03-2015					
172046-2		SYNCO CHEMICAL CORPORATION	SUPER LUBE SILICONE DIELECTRIC AND VACUUM GREASE	09-01-2023					
172052-1		BOSTIK, INC.	NEVER-SEEZ BLACK MOLY	08-05-2021					
172054-0		IDEMITSU KOSAN CO., LTD	DAPHNE ALPHA WORM MA 260 (32057040)	11-14-2019					
172055-1		DYNAMIS EPOXY S YSTEMS	EPO PATCH & GROUT/ RESURFACER, "B"	07-18-2019					

Product Quantity List - Aisin Chemical - Crothersville, IN

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172456-0		DOW CHEMICAL COMPANY, THE	DOWSIL 732 ADHESIVE SEALANT, WHITE	04-27-2020					
174376-1		AISIN CHEMICAL INDIANA	SILENT GUARD AD430B-US3	11-02-2022					
174377-0		AISIN CHEMICAL INDIANA	SILENT GUARD AHD600-US	12-19-2019					
174608-0		ADEKA CORPORATION	ADEKA RESIN EP-4300E	04-14-2015					
174611-1		W.M. BARR	CITRISTRIP STRIPPING GEL (QCG731, QCG731W, HCG73803T, QCSG801, QCSG801W, QCSG801XX, HCSG803, HCSG803CAN, QCSG801CAN, HCSG807CAN)	09-27-2022					
174838-1		AISIN CHEMICAL INDIANA	SILENT GUARD BLEND AD430A-US3	11-02-2022					
174844-1		CANBERRA CORPORATION	JAWS DISINFECTANT CLEANER (F3805-005 EPA REG. NO. 1839-166-81266)	09-13-2022					
174845-0		JAWS INTERNATIONAL LTD.	JAWS GLASS SURFACE CLEANER	03-02-2016					
175446-0		S.C. JOHNSON & SON, INC.	WINDEX GLASS & MORE MULTI-SURFACE	06-20-2019					
177336-0		UNIVAR SOLUTIONS USA, INC.	DIMETHYLETHANOLAMINE 99%	09-02-2019					

Product Quantity List - Aisin Chemical - Crothersville, IN

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Corner stone#	Ref #	Manufacturer	Product Name	Msds Date	Max Amt	Avg Amt	Units	Container	Storage Location
177719-0		UNIVAR SOLUTIONS USA, INC.	CAUSTIC SODA 50% (16169006, 16168617, 16150547, 16162842, 16162538, 16144429, 16173515, 16168911, 16162950, 16162022, 16144216, 16143594, 16162020, 16168720, 16169880, 16166706, 16152119, 16173289, 16179365, 16166192, 16137935, 16136595, 16136382, 16161861, 16143735, 16151817, 85472, 52714, 71460, 54298, 16168314, 16146819, 16163462, 16148908, 16144035, 16166958, 16166445, 16137825, 16151508, 16151289, 16160192, 16147037, 16156058, 16155066, 16135486, 16159912, 16141649, 16140194, 16064783, 16064423, 160367	04-22-2021					
177728-0		EVONIK CORPORATION	AMICURE CG-1200G (000005062544)	04-08-2021					
180471-0		HENKEL CORPORATION	DIAL PROFESSIONAL GEL HAND SANITIZER	02-14-2020					
180882-0		ICP BUILDING SOLUTIONS GROUP	LOW PRESSURE POLYURETHANE FOAM SEALANTS (HC) - HANDIFOAM HC GUN FOAM, HANDIFOAM HC STRAW FOAM, HANDIFOAM FIREBLOCK, HANDIFOAM FIREBLOCK WEST, HANDIFOAM BLACK, HANDIFOAM EXTREME, HANDIFOAM WINDOW & DOOR, HANDIFOAM WINDOW & DOOR WEST AND HANDIFOAM EXTREME WINDOW & DOOR POLYURETHANE FOAM SEALANTS	02-24-2021					
180906-0		CHEMTEX LLC	BASE NEUTRALIZER (SHAKER, PAIL)	03-28-2018					
181312-0		MEYER LABORATORY, INC.	XE-55	05-11-2016					
181554-0		MACDERMID ENVIO SOLUTIONS	COAGULANT ALUMINUM BASED 50GP	12-02-2020					

Product Quantity List - Aisin Chemical - Crothersville, IN

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181647-0		AISIN CHEMICAL INDIANA	SILENT GUARD AHD600A-US	11-03-2022					
182483-0		NIPPON SHOKUBAI AMERICA INDUSTRIES, INC.	ACRYSET NA-720 (DOC. NUMBER: ASZQ-10490-00-00-US01)	01-01-2023					
182484-0		BRENNTAG PACIFIC INC.	GLYCOL ETHER DB (644216)	06-20-2022					
182589-0		SHIRAISHI KOGYO KAISHA, LTD	VISCOEXCEL 30HV	04-01-2018					
182590-0		ACCI SPECIALTY MATERIALS	TECHNICURE DCMU	05-19-2022					
182591-0		DCL CORPORATION, LLC	DCL-3153 PHTHALO BLUE, PB.15:3 (200513, 200514, 200515; DCC BLUE 3153)	11-09-2022					
182593-0		TOKUYAMA CORPORATION	REOLOSIL CP-SERIES, QS-SERIES	03-22-2022					
182594-0		REPCO INC.	MICA (S-20, S-60H, S-150H, S-200, S-200HG, S-325, S-400, S-XF, W-40H)	11-24-2021					
182720-0		AISIN CHEMICAL INDIANA	SILENT GUARD AD430Y-US	01-25-2023					
182759-0		ADEKA CORPORATION	ADEKA GLYCIROL ED-509E (01984-00)	06-15-2020					
182760-0		ADEKA CORPORATION	ADEKA RESIN EP-4005 (01999-00)	05-10-2019					
182762-0		NITTO CHEMICAL CO., LTD	COUMARONE RESIN L-20	02-23-2022					
182763-0		FERRO (BELGIUM)	SANTICIZER 261A	01-19-2011					
182764-0		A&C CATALYSTS, INC.	TECHNICURE D, TECHNICURE D-5, TECHNICURE D-10, TECHNICURE D-44 TECHNICURE NANODICY	12-31-2008					
182929-0		ROHM AND HAAS CHEMICALS LLC	EXP-4509	11-15-2012					
183003-0		AISIN CHEMICAL INDIANA	FE-HD1000-US	04-04-2023					

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183403-0		DECARA INC. DBA DYNAMIS	EP-UNITE COMPONENT "B"	02-15-2018					
183404-0		DECARA INC. DBA DYNAMIS	EP-UNITE COMPONENT	02-15-2018					
183406-0		TOTALENERGIES MARKETING USA, INC.	DACNIS PG 46	03-21-2023					
183409-0		PETRO-CANADA AMERICA LUBRICANTS LLC	PURITY TM FG-X AW HYDRAULIC FLUID 46 (PFXAW46IBC, PFXAW46DRX, PFXAW46P20, PFXAW46)	07-12-2021					
183414-0		AERVOE INDUSTRIES, INC.	MATTE CLEAR ACRYLIC COATING (120 MATTE CLEAR ACRYLIC COATING)	12-04-2018					
184059-0		HUBBARD-HALL, INC.	AQUAPURE FA (2601010)	04-26-2021					
185472-0		TROY CORPORATION	NUOSEPT BM11 (77548)	08-25-2021					

Total Active MSDSs - 234

Attachment H – Potentially Affected Persons SF#49456

IDENTIFICATION OF POTENTIALLY AFFECTED PARTIES

State Form 49456 (R3 / 9-22)

IDEM
Office of Water Quality, Permits Branch
100 North Senate Ave.
MC 65-42PS
Indianapolis, IN 46204-2251

The Administrative Orders and Procedures Act (AOPA) IC 4-21.5-3-5(b), requires that the Indiana Department of Environmental Management (IDEM) give notice of its decision on your application to the following persons:

a) Each person to whom the decision is specifically directed;
b) Each person to whom a law requires notice to be given;
c) Each competitor who has applied to the IDEM for a mutually exclusive license, if issuance is the subject of the decision and the competitor's application has not been denied in an order for which all rights to judicial review have been waived or exhausted;
d) Each person who has provided the IDEM with a written request for notification of the decision;
e) Each person who has a substantial and direct proprietary interest in the issuance of the (permit/variance);
f) Each person whose absence as a party in the proceeding concerning the (permit/variance) decision would deny another party complete relief in the proceeding or who claims an interest related to the issuance of the (permit/variance) and is so situated that the disposition of the matter, in the person's absence may:
    1) As a practical matter impair or impede the person's ability to protect that interest, or
    2) Leave any other person who is a party to a proceeding concerning the permit subject to a substantial risk of incurring multiple or otherwise an inconsistent obligation by reason of the person's claimed interest.

IC 4-21.5-3-5(f) provides that we may request your assistance in identifying these people.

Additionally, IC 13-15-3-1 requires IDEM to send notice that the permit application has been received by the department to the following:

a) The board of county commissioners of a county affected by the permit application and
b) The mayor of a city that is affected by the permit application, or
c) The president of a town council of a town affected by the permit application.

Please provide on the following form the names of those persons affected by these statutes, and include mailing labels with your application. These mailing labels should have the names and addresses of the affected parties along with our mailing code (65-42PS) listed above each affected party listing.

Example: 65-42PS
John Doe
111 Circle Drive
City, State, Zip Code

I. Identification of Potentially Affected Persons

Please list here any and all persons whom you have reason to believe have a substantial or proprietary interest in this matter, or could otherwise be considered to be potentially affected under the law. Failure to notify any person who is later determined to be potentially affected could result in voiding our decision on procedural grounds. To ensure conformance with AOPA and to avoid reversal of a decision, please list all such parties. The letter attached to this form will further explain the requirements under the AOPA. Attach additional names and addresses on a separate sheet of paper, as needed. Please indicate below the type of action you are requesting.

Name: Town of Crothersville		Name:
Street address: 101 W. Howard Street		Street address:
City/State/ZIP code: Crothersville, IN 47229		City/State/ZIP code:
Name: Cerro Wire & Cable Co., Inc.		Name:
Street address: 1002 Industrial Way		Street address:
City/State/ZIP code: Crothersville, IN 47229		City/State/ZIP code:
Name: Jackson County SWCD		Name:
Street address: 1350 Woodside Drive		Street address:
City/State/ZIP code: Brownstown, IN 47222		City/State/ZIP code:
Name: President, Jackson County Commissioners		Name:
Street address: 360 South County Road 25 E.		Street address:
City/State/ZIP code: Brownstown, IN 47222		City/State/ZIP code:
Name: President, Crothersville Town Council		Name:
Street address: 101 W. Howard Street		Street address:
City/State/ZIP code: Crothersville, IN 47229		City/State/ZIP code:
Name: Aisin Drivetrain, Inc.		Name:
Street address: 1001 Industrial Way		Street address:
City/State/ZIP code: Crothersville, IN 47229		City/State/ZIP code:
Name:		Name:
Street address:		Street address:
City/State/ZIP code:		City/State/ZIP code:
Name:		Name:
Street address:		Street address:
City/State/ZIP code:		City/State/ZIP code:
Name:		Name:
Street address:		Street address:
City/State/ZIP code:		City/State/ZIP code:
Name:		Name:
Street address:		Street address:
City/State/ZIP code:		City/State/ZIP code:

II. Please complete this form by signing the following statement.

I certify to the best of my knowledge I have listed all potentially affected parties, as defined by IC 4-21.5.		
Signature: Timothy J Carter		
Printed name: Tim Carter, Operations Manager		Date *(month, day, year)*: 3/25/2024
Name of facility: Aisin Chemical Indiana, LLC		
Address of facility *(number and street)*: 1004 Industrial Way		
City of facility: Crothersville	State of facility: IN	ZIP code: 47229

III. Type of Action (check one)

- ☐ NPDES Permit-327 IAC 5
- ☑ Pretreatment Permit -327 IAC 5
- ☐ Construction Permit-327 IAC 3

RE: Renewal of IWP permit # INP000641

You forwarded this message on Thu 4/4/2024 1:12 PM

CK Chris Koucky <ckoucky@corner-enviro.com>
To: Patel, Samir P
Cc: Corey McNew <cmcnew@aisinchemin.com>; tcarter@aisinchemin.com; crothersvillewwtp@gmail.com

2627-SWPPP Facility Layout -...
2 MB

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Hello Samir,

I am the consultant who assisted Aisin Chemical with the preparation and submittal of the renewal application for the IWP permit INP000641.

- Item 1 - Outfall 001 was marked on the attached layout with a yellow “X”
- Item 2 – Outfall 001: LAT = 38.78745 LONG = -85.84128
- Item 3 - In the application we put 32,000 gal/day as the average and 40,000 gal/day as the max discharge to the Crothersville POTW. This information was upd renewal application and is accurate.
- Item 4 - The only changes to the application since the last renewal submittal were:
  - The flow to the POTW increasing from 25,000 average and 35,000 max to the values mentioned above.
  - Removing calcium carbonate, 1,2 propylene glycol, and crystalline silica form the list of chemicals used in the process (raw materials).
  - Included the intake water from the private well added since the last permit application and updating the volume of intake from the municipal water system.
  - And updating the non-discharged waste quantities and disposal method (to landfill instead of incineration).

If you have any questions or need any additional information, please let me know.

Best Regards,
Chris

Chris Koucky
Environmental Engineer
880 Lennox Ct
Zionsville, Indiana 46077
513.808.4081.

Cornerstone
ENVIRONMENTAL HEALTH AND SAFETY, INC
ISO 9001:2015 REGISTERED QUALITY SYSTEM