DEQ Form 1 for Individual NPDES and State Construction Permit Applications (permits beginning with AR00)

version 2.39

(Submission #: HQJ-RCGC-2QK7X, version 1)

Details

Originally Started By	Haley Hamilton
Submitted	4/7/2026 (0 days ago) by Benjamin Cobb
AFIN	39-00018
Submission ID	HQJ-RCGC-2QK7X
Status	Submitted

Form Input

Purpose of Application

Is this application for an NPDES Permit, State Construction Permit, or Both?
State Construction Permit Only

Type of Facility
Non-municipal Domestic Facility

Trust Fund Applicability
This is a federal, state, or county facility

Section A - General Information

AFIN (Enter if available)
39-00018

Legal Applicant Name
Arkansas Department of Correction ADC - East Arkansas Regional Unit

Permittee Type
State

Facility Name (if different from legal applicant name)
Arkansas Department of Correction ADC - East Arkansas Regional Unit

Is the legal applicant identified above the owner of the facility?
Yes

NPDES Individual Permit Number (If Applicable)
AR0045578

NPDES General Non-stormwater Permit Number (If Applicable)
NONE PROVIDED

NPDES General Storm Water Permit Number (If Applicable)
NONE PROVIDED

Permit Numbers and/or names of any permits issued by DEQ or EPA for an activity located in Arkansas that is presently held by the applicant or its parent or subsidiary corporation which are not listed above

Permit Name	Permit Number	Held By
No-Discharge Permit	5226-WR-2	Arkansas Department of Correction East AR Regional Unit

Facility Physical Location

Facility Contact Person

Prefix
Mr.

First Name **Last Name**
James *Flannery*

Title
Wastewater Coordinator

Phone Type **Number** **Extension**
Business 870-267-6139

Email
james.flannery@doc.arkansas.gov

Address
PO Box 8707
Pine Bluff, AR 71611

Give driving directions to the wastewater treatment facility with respect to known landmarks if necessary (for example if the facility has no address, or if the facility can only be accessed through certain roads)
NONE PROVIDED

Facility County
Lee

Facility Location (All information must be based on the FRONT GATE or DRIVEWAY ENTRANCE of the facility). These coordinates must be in decimal degrees, not degrees/minutes/seconds.
34.84155390,-90.601314

Has the facility previously submitted a location map?
Yes

Facility Mailing Address for permit documents (Street or Post Office Box)

Email
Eddie.Powell@doc.arkansas.gov

Address
PO Box 8707
Pine Bluff, AR 71611

Is the invoice address the same as the mailing address for permit documents?
Yes

Neighboring States within 20 miles of the permitted facility (Check all that apply)
Mississippi

Common SIC & NAICS Codes

Facility Type	SIC Code	NAICS Code
POTW (Publicly Owned Treatment Works)	4952	221320
Subdivision	6552	237210
Apartment Complex	6513	531110
Mobile Home Park	6515	533190
Elementary and Secondary Schools	8211	611110
Gas Station with Convenience Store	5541	447110

Facility Type	SIC Code	NAICS Code
RV Parks and Campgrounds	7033	721211

Primary SIC Code
9223

Primary NAICS code
922140

Primary Facility Activity (such as "municipal wastewater treatment plant", "campground", "manufacturing of organic chemicals", etc.)
Prison Unit

Other applicable SIC codes, NAICS codes, and/or facility activities
NONE PROVIDED

Who prepared this application?

Prefix
Mrs.

First Name **Last Name**
Haley *Hamilton*

Title
Project Engineer

Organization Name
McClelland Consulting Engineers, Inc.

Phone Type **Number** **Extension**
Business 501-371-0272

Email
hhamilton@mce.us.com

Address
146 W South St
Benton, AR 72015-3777

For new facilities, DEQ will inform you of the operator license requirements after the application is reviewed.

If you need to look up operator license numbers you can use the following link:
https://www.adeq.state.ar.us/water/enforcement/wwl/operators.aspx

Wastewater Operator Information

Operator Name	License Number	Municipal License Class	Industrial License Class
James Flannery	011707	III	N/A

Section B1: Specific Outfall Information (1 of 1)

Outfall: 001

Outfall Number
001

Design Flow (in MGD). May write "N/A" if the outfall does not have a design flow.
0.65

Highest Monthly Average flow over the last 2 years (in MGD)
0.241

End-of-Pipe Location (this must be in decimal degrees, not degrees/minutes/seconds)
34.836111,-90.611944

Are monitoring samples taken at the end-of-pipe location?
Yes

Name of Receiving Stream
St. Francis River

Description of Treatment System (Include all components of the treatment system)
Screening, grit chamber, activated sludge oxidation ditch, two parallel clarifiers, chlorine disinfection contact chamber

How are effluent samples collected?
Both Grab and Composite

Narrative description of where samples are collected relative to the treatment system
Samples are collected at the end of the treatment, and performed by state certified laboratory in accordance with the NPDES permit and EPA approved testing procedures.

How is flow measured, and where?
Flow is measured at the effluent end of the treatment process using a totalizing meter

Is the outfall equipped with a diffuser?
No

Does this outfall discharge to a lake or reservoir?
No

Section B2: General Outfall Information

Describe how influent is collected and conveyed to the treatment system
Wastewater is collected by gravity to a Lift Station, then pumped via force main to the headworks of the WWTP.

Attach a process flow diagram showing all components of the treatment system
26-5707 - PROCESS FLOW DIAGRAM-Layout1.pdf - 02/19/2026 03:49 PM
Comment
NONE PROVIDED

Attach the topographic map here. Don't forget to mark the discharge point on the map.
26-5707 -TOPOGRPHIC MAP.pdf - 04/07/2026 02:46 PM
Comment
NONE PROVIDED

Is the proposed or existing facility located above the 100-year flood level?
Yes

Has this facility previously submitted a flood map?
Yes

Population for Municipal and Domestic Sewer Systems (may be marked "N/A" for industrial facilities that do not treat domestic waste)
2000

Are there any permanent backup generators?
Yes

How many backup generators?
1

Total Horsepower (hp)
526

Section C: Waste Storage and Disposal Information

Solids/Sludge Disposal Method (Check as many as are applicable)
Land Application

State solids are land applied in
Arkansas

Land Application State Permit Number
5226-WR-2

Section D: Water Supply

Water Sources which are DOWNSTREAM of the outfall location, i.e. those which could be affected by the discharge from this facility (check as many as are applicable):
None

Section G: Modification and Construction Information

Describe the proposed construction, or the proposed changes at the facility
Install Peracetic Acid (PAA) chemical feed system as a supplemental disinfection to the existing UV disinfection system. ADC is also requesting to utilize the addition of a coagulation and flocculation polymer, dosed on an as needed basis, to improve solids removal.

Checklist
Professional Engineer registered in the State of Arkansas
Design calculations signed and stamped, attached
Plans and drawings signed and stamped, attached

Upload plans, specifications, and design calculations
EARU PAA Discharge Improvements.pdf - 02/20/2026 09:47 AM
7040A sds.pdf - 02/20/2026 09:47 AM
EARU wastewater jar test results and polymer SDS.pdf - 02/20/2026 09:48 AM
PAA DOSING CALC EARU.pdf - 02/20/2026 09:48 AM
Blue White-CD1-Technical-Data-Sheet.pdf - 02/20/2026 09:48 AM
Peracetic acid sds.pdf - 02/20/2026 09:48 AM
Comment
NONE PROVIDED

It appears this is a construction application for sanitary or domestic wastewater. If that is correct, please attach confirmation that this project has also been submitted for ADH review.
ADH Approval Letter.pdf - 03/25/2026 09:51 AM
Comment
NONE PROVIDED

Will the construction activity disturb 5 or more acres of land?
No

If the area disturbed is more than one acre up to, but not including, five acres, permit coverage is required, but the facility can obtain automatic coverage under the Construction Stormwater General Permit ARR150000. See the instructions at the linked website for automatic construction stormwater coverage.
https://www.adeq.state.ar.us/water/permits/npdes/stormwater/

Section H: Signatory Requirements

Cognizant Official (Duly Authorized Representative)

40 CFR 122.22(b) states that all reports required by the permit, or other information requested by the Director, shall be signed by the applicant (or person authorized by the applicant) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
(1) the authorization is made in writing by the applicant (or person authorized by the applicant);
(2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity responsibility, or an individual or position having overall responsibility for environmental matters for the company.

Cognizant Official Designation
One Cognizant Official is designated for this facility

The applicant hereby designates the following person as a Cognizant Official, or duly authorized representative, for signing reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Cognizant Official

Prefix
Mr.

First Name **Last Name**
James *Flannery*

Title
Wastewater Coordinator

Phone Type **Number** **Extension**
Business 870-267-6139

Email
james.flannery@doc.arkansas.gov

Address
PO Box 8707
Pine Bluff, AR 71611

Responsible Official Information

Prefix
Mr.

First Name **Last Name**
Eddie *Powell*

Title
Assistant Director of Maintenance and Construction

Phone Type **Number** **Extension**
Business 870-730-0390

Email
Eddie.Powell@doc.arkansas.gov

Address
PO Box 8707
Pine Bluff, AR 71611

Supplemental Information

Supplemental Information (optional)
NONE PROVIDED
Comment
NONE PROVIDED

Attachments

Date	Attachment Name	Context	User
4/7/2026 2:53 PM	CertificationForm.pdf	Unknown	Benjamin Cobb
4/7/2026 2:46 PM	26-5707 -TOPOGRPHIC MAP.pdf	Attachment	Benjamin Cobb
3/25/2026 9:51 AM	ADH Approval Letter.pdf	Attachment	Haley Hamilton
2/20/2026 9:48 AM	Peracetic acid sds.pdf	Attachment	Haley Hamilton
2/20/2026 9:48 AM	Blue White-CD1-Technical-Data-Sheet.pdf	Attachment	Haley Hamilton
2/20/2026 9:48 AM	PAA DOSING CALC EARU.pdf	Attachment	Haley Hamilton

Date	Attachment Name	Context	User
2/20/2026 9:48 AM	EARU wastewater jar test results and polymer SDS.pdf	Attachment	Haley Hamilton
2/20/2026 9:47 AM	7040A sds.pdf	Attachment	Haley Hamilton
2/20/2026 9:47 AM	EARU PAA Discharge Improvements.pdf	Attachment	Haley Hamilton
2/19/2026 3:49 PM	26-5707 - PROCESS FLOW DIAGRAM-Layout1.pdf	Attachment	Haley Hamilton

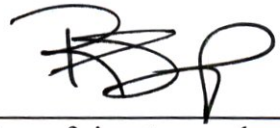
ENVIRONMENTAL QUALITY

Certification of ePortal Submission

This form is to be used to certify electronic ePortal submissions. Please check with the appropriate section for who has the authority to sign this form. A hardcopy of this form with original signature must be sent to DEQ, 5301 Northshore Drive, North Little Rock, AR 72118. Please do **not** send a hardcopy of the ePortal submission with this form. **All fields are required**.

1. Section to which the ePortal Submission was Submitted:	Individual NPDES Permits
2. Form Name:	DEQ Form 1 for Individual NPDES and State Construction Permit Applications (permits beginning with AR00)
3. Arkansas DEQ Facility Identification Number (AFIN), if available:	39-00018
4. Facility Name:	Arkansas Department of Correction ADC - East Arkansas Regional Unit - Arkansas Department of Correction ADC - East Arkansas Regional Unit
5. Facility Physical Address:	PO Box 8707 Pine Bluff, AR 71611
6. NPDES Permit Number, if available	AR0045578

I certify under penalty of law that the ePortal submission with Submission ID# HQJ-RCGC-2QK7X and revision # 1 which was submitted electronically on 4/7/2026 2:48:23 PM 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.

Eddie Powell	Assistant Director of Maintenance and Construction
typed/printed name of signatory authority	title
	4/10/26
signature of signatory authority	date

Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000

Governor Sarah Huckabee Sanders
Renee Mallory, RN, BSN Secretary of Health
Jennifer Dillaha, MD, Director

Public Health Engineering Branch, Slot 37
www.healthy.arkansas.gov/eng

Ph (501) 661-2623 Fax (501) 661-2032
After Hours Emergency (501) 661-2136

March 19, 2026

Haley J. Hamilton, P.E.
McClelland Consulting Engineers, Inc.
7302 Kanis Road
Little Rock, AR 72204

RECEIVED
MAR 24 2026
BY:

RE: WWTP IMPROVEMENTS
PAA Addition
ADC East – Lee County
Project 142977

Dear Ms. Hamilton,

The plans for the above referenced project received by this office on February 20, 2026, have been reviewed and are hereby approved with the following conditions:

1. The Engineering Section relied upon the statements and representations made in the engineer's report, plans and specifications. In case any statement or representation in the aforementioned documents is found to be incorrect, this Approval may be revoked.
2. There shall be no deviation from the plans and specifications unless revised plans and specifications have been first submitted for review and written consent given.
3. The review and approval of the plans and specifications were for functional and sanitary features and in no way constitute an analysis of the structural design nor does it cover any building plumbing.
4. If construction on this project is not started within one year of the date affixed hereto, this Letter of Approval is void.
5. Construction inspection for this project shall be the responsibility of McClelland Consulting Engineers, Inc.

One copy of the plans is being retained for our files. When submitting correspondence for this project, be sure and reference our ADH project number 142977.

Sincerely:

Glenn A. Greenway, P.E.
Engineer Supervisor
Engineering Branch

GAG: bvt

cc: ADC East Arkansas Regional — PWS 796

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE

7302 Kanis Road
Little Rock, AR 72204
(501) 371.0272 P | (501) 371.9932 F
mce.us.com

April 21, 2026

Alan Anderson, MPA
Water Quality Program Coordinator
Arkansas Department of Energy and Environment

RE: Construction Permit No. AR00455781C1 and AR0044016 C1

Mr. Anderson,

This letter is to address both construction permit applications for the Arkansas Department of Corrections East Arkansas Regional Unit AR0045578 and North Central Unit AR0044016. The manufacturer's technical information has been reviewed for completeness, accuracy, and applicability to the aforementioned facilities treatment schemes. Based on the review, the submitted documentation is determined to be in accordance with generally accepted engineering practices. No exceptions or deviations were identified that would adversely impact the intended performance or functionality of the referenced materials/equipment.

Please feel free to contact us if additional information or clarification is required.

Sincerely,



Haley J. Hamilton, PE
McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
Project Engineer MCE-Benton
(501) 371.0272
hhamilton@mce.us.com

Enforcement Review for Arkansas Department of Corrections ADC-East AR Regional Unit- Construction Application + Modification

by Abigail Howell

Is there an active enforcement action for this facility?

No

Is there a proposed enforcement action for this facility?

No

Has a CAP or other compliance obligation been requested, submitted, and/or approved?

No

Are there any comments/concerns that need to be taken into account when drafting the permit?

No

Archived: Monday, May 4, 2026 4:09:44 PM
From: Haley Hamilton, PE
Sent: Monday, May 4, 2026 3:25:57 PM
To: Zachary Carroll (adpce.ad)
Subject: RE: AR0045578C1 - ADC East Arkansas Regional Unit PAA project
Response requested: Yes
Importance: Normal

CAUTION: External Email

Hey Zach!

So sorry I dropped the ball on responding to your initial email, and being at the Hot Springs conference Monday and Tuesday last week just buried it in my inbox.
Thank you following up with me.
If I stated UV in the construction summary for EARU that was a mistake as I was juggling the EARU facility and the NCU facility applications at the same time.
EARU only has chlorine disinfection so PAA would be the second independent disinfection used.
We would like to keep chlorination disinfection as it is in the system and we would like to build the addition of PAA disinfection. They will not be operated at the same time.

Thanks,
Haley J. Hamilton, PE
Project Engineer
146 W South St, Suite 101 | Benton, AR 72015
501.371.0272 office | 501.371.9932 fax | 501.519.8802 cell
mce.us.com

From: Zachary Carroll (adpce.ad) <Zachary.Carroll@arkansas.gov>
Sent: Monday, May 4, 2026 1:10 PM
To: Haley Hamilton, PE <hhamilton@mce.us.com>
Subject: RE: AR0045578C1 - ADC East Arkansas Regional Unit PAA project

CAUTION: This email originated outside of McClelland Consulting Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Just wanted to follow up on this, I don't think I received a response.

Zachary Carroll, PhD, P.E.
Engineer Supervisor
E&E | Environmental Quality | Water Quality
e: zachary.carroll@arkansas.gov
t: 501-682-0625

From: Zachary Carroll (adpce.ad)
Sent: Friday, April 24, 2026 1:32 PM
To: Haley Hamilton <hhamilton@mce.us.com>
Subject: AR0045578C1 - ADC East Arkansas Regional Unit PAA project

Good afternoon Haley,

I'm looking at the PAA project for the ADC East Arkansas Regional Unit. Our current records indicate that facility uses chlorine gas disinfection, but the construction summary states that PAA is being used to supplement a UV system.

Is there an existing UV system that got installed at some point? Or is this one going to be PAA only?

Also regardless of if there's a UV system or not, we will have to modify their NPDES discharge permit to include a PAA limit and remove the TRC monitoring.

Thanks,

Zachary Carroll, PhD, P.E.
Engineer Supervisor

E&E | Environmental Quality | Water Quality
e: zachary.carroll@arkansas.gov
t: 501-682-0625

Archived: Monday, May 4, 2026 4:09:44 PM
From: Haley Hamilton, PE
Sent: Monday, May 4, 2026 3:25:57 PM
To: Zachary Carroll (adpce.ad)
Subject: RE: AR0045578C1 - ADC East Arkansas Regional Unit PAA project
Response requested: Yes
Importance: Normal

CAUTION: External Email

Hey Zach!

So sorry I dropped the ball on responding to your initial email, and being at the Hot Springs conference Monday and Tuesday last week just buried it in my inbox.
Thank you following up with me.
If I stated UV in the construction summary for EARU that was a mistake as I was juggling the EARU facility and the NCU facility applications at the same time.
EARU only has chlorine disinfection so PAA would be the second independent disinfection used.
We would like to keep chlorination disinfection as it is in the system and we would like to build the addition of PAA disinfection. They will not be operated at the same time.

Thanks,
Haley J. Hamilton, PE
Project Engineer
146 W South St, Suite 101 | Benton, AR 72015
501.371.0272 office | 501.371.9932 fax | 501.519.8802 cell
mce.us.com

From: Zachary Carroll (adpce.ad) <Zachary.Carroll@arkansas.gov>
Sent: Monday, May 4, 2026 1:10 PM
To: Haley Hamilton, PE <hhamilton@mce.us.com>
Subject: RE: AR0045578C1 - ADC East Arkansas Regional Unit PAA project

CAUTION: This email originated outside of McClelland Consulting Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Just wanted to follow up on this, I don't think I received a response.

Zachary Carroll, PhD, P.E.
Engineer Supervisor
E&E | Environmental Quality | Water Quality
e: zachary.carroll@arkansas.gov
t: 501-682-0625

From: Zachary Carroll (adpce.ad)
Sent: Friday, April 24, 2026 1:32 PM
To: Haley Hamilton <hhamilton@mce.us.com>
Subject: AR0045578C1 - ADC East Arkansas Regional Unit PAA project

Good afternoon Haley,

I'm looking at the PAA project for the ADC East Arkansas Regional Unit. Our current records indicate that facility uses chlorine gas disinfection, but the construction summary states that PAA is being used to supplement a UV system.

Is there an existing UV system that got installed at some point? Or is this one going to be PAA only?

Also regardless of if there's a UV system or not, we will have to modify their NPDES discharge permit to include a PAA limit and remove the TRC monitoring.

Thanks,

Zachary Carroll, PhD, P.E.
Engineer Supervisor


ARKANSAS DEPARTMENT OF ENERGY AND ENVIRONMENT
AR

Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto, CA 95358

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: PERAGREEN 22WW

Product Code: 79

Product Use: Antimicrobial solution for wastewater.

Chemical Family: Oxidizer

Registration Number: 63838-20

Enviro Tech Chemical Services, Inc.
500 Winmoore Way Modesto, CA 95358
(209) 581-9576 (7 AM to 5 PM, PST, Monday to Friday)

24 Hr. Emergency Tel.#: 1-800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), These requirements differ from the classification criteria and hazard information required for safety data sheets of non-pesticide chemicals. Please see Section 15 for FIFRA labeling information.

Classification of the Substance or Mixture:



Skin Corrosion - Category 1
Serious Eye Damage - Category 1
Oxidizing Liquids - Category 2
Corrosive to Metals - Category 1
Organic Peroxides - Type F
Acute Toxicity - Oral Category 4
Acute Toxicity - Dermal Category 4

Signal Word: DANGER

Hazard Statements:

Causes severe skin burns and eye damage
May intensify fire; oxidizer
May be corrosive to metals
Heating may cause fire
Harmful if swallowed
Harmful in contact with skin

Precautionary Statements:

Prevention

Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces - No smoking.
Keep/Store away from clothing/combustible materials.
Do not eat, drink or smoke when using this product.
Keep only in original container.
Take any precaution to avoid mixing with combustibles.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.
For specific treatment see Section 4 First Aid.
Wash contaminated clothing before reuse.
In case of fire: Use dry sand, dry chemical, or alcohol resistant foam for extinction.
Absorb spillage to prevent material damage.

SAFETY DATA SHEET

Storage

It is recommended to store this product at temperatures where the bulk liquid will not exceed 86°F / 30°C. Keep cool.

Store away from other materials. Protect from sunlight.

Store locked up.

Store in a corrosive resistant container with a resistant inner liner.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
HYDROGEN PEROXIDE	H2O2	7722-84-1	4.7-5.2%
ACETIC ACID	NONE	64-19-7	40-50%
PEROXYACETIC ACID	PAA	79-21-0	21.8-22.8%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove source of exposure or move person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. If direct contact during rescue breathing poses a threat to the first aid provider, “Avoid mouth-to-mouth contact by using a barrier device."
Skin Contact: Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.
Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.
Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.
Most Important Symptoms and Effects, both Acute and Delayed: Causes severe skin burns and eye damage, burning of the mouth, throat, and esophagus.
Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry powder, foam, carbon dioxide, water spray, sand. Do NOT use heavy water stream.

Special hazards arising from the substance or mixture: Non combustible. May give off irritating or toxic fumes (or gases) in a fire.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

Hazardous Combustion Products: May cause fire and explosions when in contact with incompatible materials.

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Methods and materials for containment and cleaning up: SMALL SPILLS (less than 1 gallon): Neutralize with soda ash or cover with dry earth, sand or other non combustible material, place into loosely covered plastic containers for later disposal. If neutralized, material can be diluted into drain. LARGE SPILL: Restrict access to area until completion of clean up. Prevent liquid from entering sewers or waterways. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into plastic containers for disposal. Ensure adequate decontamination of tools and equipment following clean up.
Special spill response procedures: Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.
Conditions for Safe Storage: It is recommended to store this product at temperatures where the bulk liquid will not exceed 86°F / 30°C. Store in a cool, dry, well ventilated place away from direct sunlight. Keep container closed when not in use.
Incompatible Materials: Avoid strong reducing agents, soft metals, heat and bases (unless product has been diluted to less than 1000ppm, then bases may be used to gradually adjust to a pH of less then 9).

SAFETY DATA SHEET

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

		OSHA PEL		ACGIH TLV	
CHEMICAL NAME	CAS NO.	TWA	STEL/CEILING	TWA	STEL
ACETIC ACID	64-19-7	10 ppm	15 ppm/40 ppm (CalOSHA)	10 ppm	15 ppm
HYDROGEN PEROXIDE	7722-84-1	1 ppm	1 ppm/N/A (CalOSHA)	1 ppm	N/A
PERACETIC ACID	79-21-1	N/A	N/A	N/A	0.4 ppm

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: No additional respiratory protection needed. If exposure levels are excessive, use an approved respirator.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear chemical goggles; also wear a face shield if splashing hazard exists.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid

Odor: Vinegar odor

pH: <1 (1:10)

Melting/Freezing point: <-40ºC /<-40ºF

Initial boiling point and boiling range: No information available

Flash Point: >200º F / 93 º C

Flammability (solid, gas): Non flammable

Vapor Pressure (mm Hg): 25

Specific gravity: 1.11 g/mL

Solubility in Water: Complete

Auto ignition Temperature: 518º F/ 270º C

Decomposition temperature: No information available

Viscosity: 5-15 cSt at 20ºC / 68ºF

Volatiles (% by weight): >99

Volatile organic Compounds (VOC's): No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with bases, metals, reducing agents and combustible materials

Chemical Stability: Stable for up to 1 year when stored under normal conditions.

Possibility of Hazardous Reactions: May react with incompatible materials

Conditions to Avoid: Incompatible materials and high temperatures

Incompatible Materials: Reactive with bases, metals, reducing agents and combustible materials

Solutions of sodium and/or potassium hydroxide may be mixed with or added to water containing peroxyacetic acid solutions (<4000 ppm) with no known adverse health, safety or physical concerns. No known side reactions or noxious by-products will occur.

Hazardous Decomposition Products: Oxygen which supports combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

SAFETY DATA SHEET

Inhalation: May cause irritation to respiratory system in mist/vapor form.

Ingestion: Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.

Skin: Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.

Eye: Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Potential Chronic Health Effects:

Mutagenicity: Not known to have mutagenic effects in humans or animals.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive effects: No known reproductive effects in humans or animals.

Sensitization to material: Not a known sensitizer in humans or animals.

Specific target organ effects: No known specific target organ effects.

Medical conditions aggravated by overexposure: No information available

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = 640 mg/kg

ATE dermal = 1905 mg/kg

ATE inhalation = >20 mg/L or >20,000 ppm

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: Not expected to persist. Expected to readily biodegrade.

Bioaccumulation potential: Not expected to bio accumulate.

Mobility in soil: No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 3109

UN Proper Shipping Name: Organic peroxide type F, liquid (<=25% peracetic acid with <=26% hydrogen peroxide)

Transportation hazard class(es): 5.2 (8)

Environmental hazards: No hazards identified.

SECTION 15 - REGULATORY INFORMATION

Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto, CA 95358

SAFETY DATA SHEET

FIFRA Classification/Typical Hazard Labeling, as outlined in EPA Label Review Manual

Hazard Data

Signal Word	DANGER
Acute Toxicity, oral	Category III: Harmful if swallowed
Acute Toxicity, dermal	Category II: May be fatal if absorbed through skin
Acute Toxicity, inhalation	Category II: May be fatal if inhaled.
Skin irritation/corrosion	Category I: Corrosive. Causes skin burns
Serious eye damage	Category I: Corrosive, Causes irreversible eye damage
Sensitization	Not Classified (NC)
Environmental (aquatic) toxicity	This pesticide is toxic to fish and other aquatic organisms.

US Federal Information:

TSCA information: All components are listed on the TSCA inventory.

US CERCLA Reportable quantity (RQ): Acetic acid has a RQ of approximately 10000 lbs. of as is chemical. Hydrogen Peroxide has a RQ of 20000 lbs. of as is chemical.

US EPCRA Reportable quantity (Extremely hazardous substance RQ): Peracetic acid has a RQ of approximately 2200 lbs. of as is chemical.

Clean Air Act Section 112(r) Threshold Quantity (TQ): Peracetic acid has a TQ of approximately 45000 lbs. of as is chemical.

SARA Title III: Reactivity Hazard, Acute Health Hazard

US State Right to Know Laws:

International Information:

SECTION 16 - OTHER INFORMATION

NFPA	**Health Hazards 3**	**Flammability 1**	**Stability 1**	**Special Hazards OX, COR**
HMIS	**Health Hazards 3**	**Flammability 1**	**Physical Hazard 1**	**Personal Protection C**

NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0
Special hazards: OX = Oxidizer; COR = Corrosive
Personal Protection = C (safety glasses, gloves, protective apron)

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

Preparation Date: 7/25/2019

SAFETY DATA SHEET

Issue Date: 17-Jan-2024 **Revision Date:** 12-May-2025 **Version** 3

1. Identification

Product identifier
Product Name: ECO7040A

Other means of identification
Product Code: 63330

Recommended use of the chemical and restrictions on use
Recommended Use: Industrial, Manufacturing or Laboratory use.
Restrictions on Use: None known

Details of the supplier of the safety data sheet
Manufacturer: Hawkins, Inc.
2381 Rosegate
Roseville, MN 55113
(612) 331-6910

Emergency telephone number
Emergency Telephone: CHEMTREC: 1-800-424-9300 (US) / +1 703-741-5970 (International)

2. Hazard(s) identification

Classification
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)
Not applicable

Label elements
Signal word: None

Hazard statements:
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Unknown Acute toxicity: Not applicable

Other Information
Not applicable

3. Composition/information on ingredients

Chemical name	CAS No	Weight-%
Poly(diallyldimethylammonium chloride)	26062-79-3	20

Sodium chloride	7647-14-5	1-3

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation Remove to fresh air. If symptoms persist, call a physician.

Eye contact In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Washing within one minutes is essential to achieve maximum effectiveness. If eye irritation persists: Get medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon oxides. Hydrogen chloride (HCl). Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Incompatible Materials Strong oxidizing agents. Contact with nickel, bronze, brass, aluminum, or mild steel may cause corrosion/degradation.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced and ventilation is insufficient, a suitable respirator or evacuation may be required.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Clear Viscous
Color:	Yellow
Odor:	Slight amine odor
Odor Threshold:	No information available
pH:	
pH Range:	4.0-8.0 (as is)
Salt Out Point:	No information available
Melting Point/Freezing Point:	< 0 °C / 32 °F
Boiling Point/Boiling Range:	> 100 °C / 212 °F
Flash Point:	> 100 °C / 212 °F
Evaporation Rate (BuAc=1):	Like Water
Flammability (solid, gas):	No information available
Flammability Limits in Air:	No information available
Vapor Pressure (mm Hg):	30
Vapor density (Air =1):	>60 mmHG
Specific Gravity (H_2O=1):	1.04

Water Solubility:	Completely soluble
Solubility(ies):	No information available
Partition Coefficient (n-octanol/water):	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	1,000-3,000 cps

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Molecular Weight:	N/A
Liquid Density	8.50-8.84 lbs/gal

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid None known based on information supplied.

Incompatible Materials Strong oxidizing agents. Contact with nickel, bronze, brass, aluminum, or mild steel may cause corrosion/degradation.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO_x). Hydrogen chloride (HCl).

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity:

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3,000.00 mg/kg
ATEmix (dermal)	10,000.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	10.5105 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

Component Information

Chemical name	Oral LD_{50} :	Dermal LD_{50} :	LC_{50} (Lethal Concentration):
Poly(diallyldimethylammonium chloride)	= 3 g/kg (Rat)	-	-

26062-79-3			
Sodium chloride 7647-14-5	= 3550 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 42 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other Adverse Effects: No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sodium chloride 7647-14-5	-	5560 - 6080 mg/L (LC50 96 h flow-through - Lepomis macrochirus) 12946 mg/L (LC50 96 h static - Lepomis macrochirus) 6020 - 7070 mg/L (LC50 96 h static - Pimephales promelas) 7050 mg/L (LC50 96 h semi-static - Pimephales promelas) 6420 - 6700 mg/L (LC50 96 h static - Pimephales promelas) 4747 - 7824 mg/L (LC50 96 h flow-through - Oncorhynchus mykiss)	-	1000 mg/L (EC50 48 h - Daphnia magna) 340.7 - 469.2 mg/L (EC50 48 h Static - Daphnia magna)

Persistence and Degradability: No information available.

Bioaccumulation: There is no data for this product.

Mobility: No information available.

Other Adverse Effects: No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local, state, and national regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT

Description Not DOT Regulated

15. Regulatory information

International Inventories

Chemical name	TSCA	AICS	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Poly(diallyldimethylammonium chloride) 26062-79-3	Present ACTIVE	Present	Present	-	-	-	Present	Present	Present	Present
Sodium chloride 7647-14-5	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
AICS - Australian Inventory of Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Water Act (CWA)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

OSHA - Process Safety Management - Highly Hazardous Chemicals
This product does not contain any substances regulated under Process Safety Management (29 CFR 1910.119).

Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS)
This product does not contain any substances regulated under the Chemical Facility Anti-Terrorism Standards (6 CFR 27).

16. Other information

NSF/ANSI/CAN 60 Certification



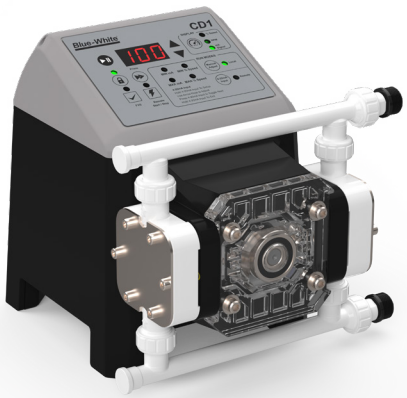
Maximum Use (mg/L unless otherwise indicated):	50
Prepared By:	HSE Department
Issue Date:	17-Jan-2024
Revision Date:	12-May-2025
Revision Note:	Product name changed.

Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

CD1

CHEM-FEED® Multi-Diaphragm Metering Pump



CD1C Model

Video link:

Features

> Enhanced Multi-diaphragm technology delivers smooth, nearly pulse-less chemical feed
> Double ball checks increase pumping reliability
> Unique pump head ensures correct ball check direction
> Leak detection (DFD) senses diaphragm failure and stops pump
> Exclusive DiaFlex® Diaphragm minimizes maintenance
> "C" Control Model includes multiple Input/Output options
> "B" Base Model includes manual speed control

NSF Certified to NSF / ANSI Standard 61 · NEMA 4X

Highlights

Flow range
0.0035 - 7.0 GPH
0.0132 - 26.46 LPH

Pressures
Up to 180 PSI
(12.0 bar)

Turndown ratio
2,000 : 1

Suction lift
20 ft. (at 0 PSI)

Motor
Brushless DC

Warranty
2 Years

Control Methods

Control Methods	Manual Control	4-20mA Input	Remote Start/Stop	4-20mA Output	Alarm Output	FVS	Motor Status Output	Prime Button	Lockout Feature
CD1C	•	•	•	•	•	•	•	•	•
CD1B	•							•	•

For more help and information regarding **CD1**, please visit www.blue-white.com or scan this QR code.

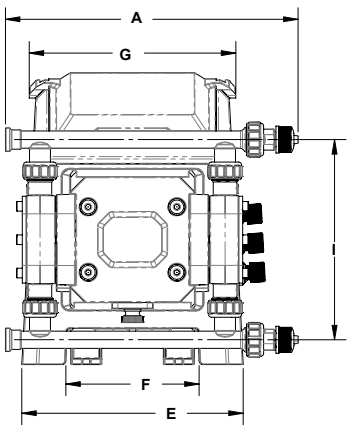
Engineering Specifications

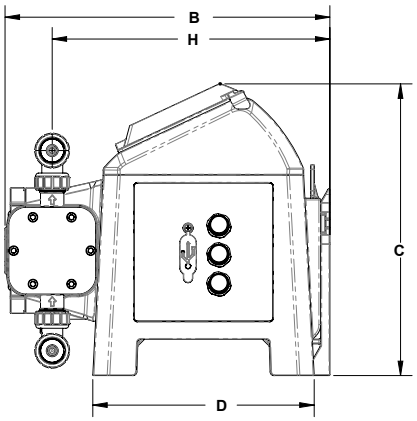
Maximum Working Pressure	Up to 180 psig (12 bar)
Maximum Fluid Temperature	Up to 185 °F (85 °C)
Maximum Ambient Temperature	14 to 115 °F/ -10 to 46 °C
Maximum Viscosity	1,000 Centipoise
Maximum Suction Lift	20 ft. at 0 PSI
Operating Voltage	115V60Hz 1 PH (0.6A max., 80 W max.)
	220V50Hz 1 PH (0.3A max., 80 W max.)
	230V60Hz 1 PH (0.3A max., 80 W max.)
	230V50Hz 1 PH (0.3A max., 80 W max.)
	240V50Hz 1 PH (0.3A max., 80 W max.)
Power Cord Options	115V/60Hz = NEMA 5/15 (USA)
	230V/60Hz = NEMA 6/15 (USA)
	220V/60Hz = CEE 7/VII (EU)
	240V/60Hz = AS 3112 (Australia/New Zealand)
	230V 50/60Hz = BS 1363/A (United Kingdom)
Signal Connectors	M12 - 5 pin (IP67 rated) (“C” model only)
Motor	Brushless DC, 42W
Duty Cycle	Continuous
Motor Speed Adjustment Range	2,000:1 (0.05% – 100%) Max. rpm = 100 (200 strokes/min)
Maximum Overall Dimensions	9.49”W x 9.46”H x 10.53”D (24.10 W x 24.02 H x 26.75 D cm)
Product Weight	10.7 lb. (4.85 Kg)
Approximate Shipping Dimensions	10.5” W x 11.75” H x 13” D (26.7 W x 29.8 H x 33 D cm)
Approximate Shipping Weight	20.0 lb. (9.1 Kg)
Enclosure	NEMA 4X (IP66), Valox® (PBT)
RoHS Compliant	Yes
Standards	cETLus, CE

Dimensions

Dim	Inch	cm
A	9.49”	24.10
B	10.53”	26.75
C	9.46”	24.02
D	7.18”	18.23
E	7.18”	18.23

Dim	Inch	cm
F	4.32”	10.98
G	6.70”	17.02
H	9.01”	22.89
I	6.49”	16.48





Materials of Construction

Non-wetted Components:

Enclosure: Valox® (PBT)

Drive Enclosure: PA12

Control Panel Cover: Polycarbonate

Pump Head Cover: Polycarbonate

Cover Screws: Stainless steel

DFD System Sensor Pins: Hastelloy C-276

Power Cord: 3 Conductor, SJTW-A water-resistant

Hardware: 316 Stainless steel screws

Mounting Brackets: Nylon

Wetted Components:

Pump Head Assembly:

Pump Head : PVDF

Adapter Connections : PVDF

Valve Cartridge : PVDF

Valve Balls : Ceramic

O-Ring Seals : TFE/P or EP

Diaphragm : DiaFlex® or Flex-A-Prene®

Injection/Back-Flow Check Valve:

Body & Insert : PVDF

Check Ball : Ceramic

Spring : Hastelloy C-276

Ball Seat O-Ring : TFE/P or EP

Static Seal O-Ring : TFE/P or EP

Foot Valve / Strainer:

Body & Adapter : PVDF

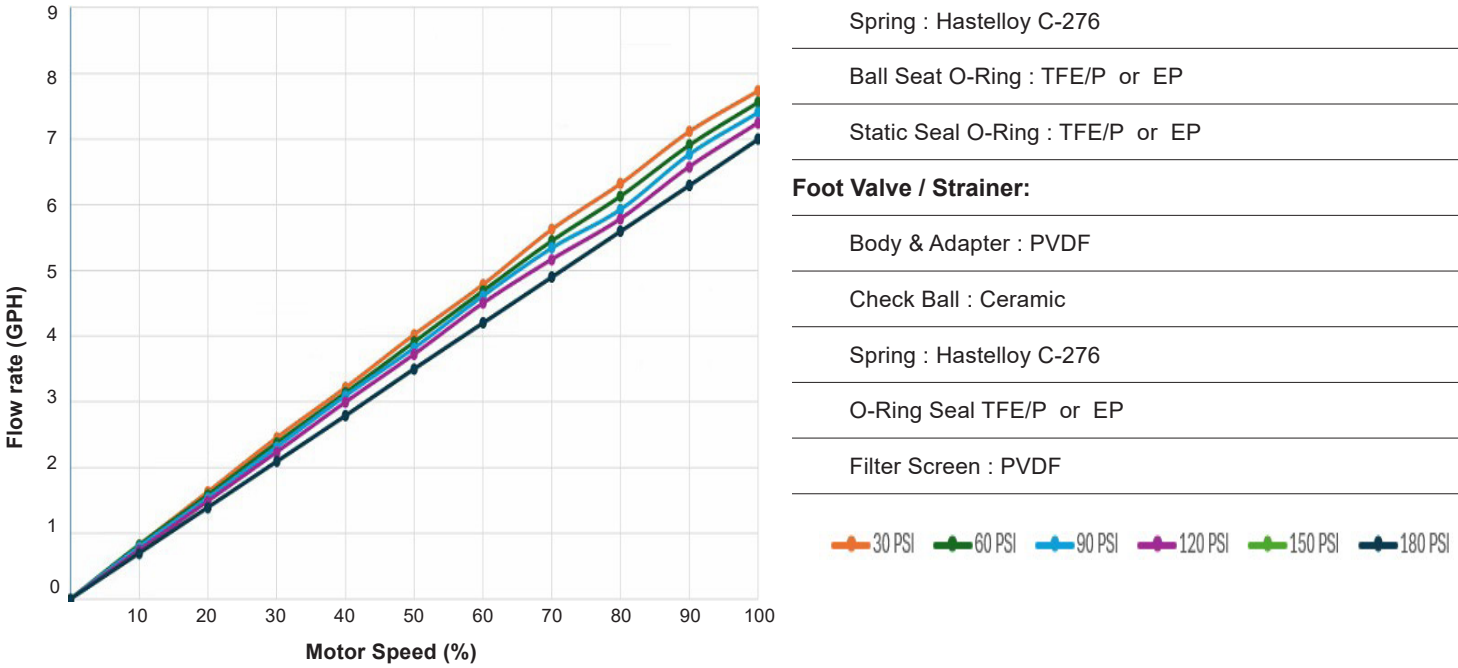
Check Ball : Ceramic

Spring : Hastelloy C-276

O-Ring Seal TFE/P or EP

Filter Screen : PVDF

Performance



Motor Speed %	Flowrate (Gal/hr), Pressure						Flowrate (mL/min), Pressure					
	30 PSI	60 PSI	90 PSI	120 PSI	150 PSI	180 psi	30 PSI	60 PSI	90 PSI	120 PSI	150 PSI	180 PSI
	2.1 Bar	4.2 Bar	6.2 Bar	8.3 Bar	10.3 Bar	12.0 Bar	2.1 Bar	4.2 Bar	6.2 Bar	8.3 Bar	10.3 Bar	12.0 Bar
10	0.82	0.82	0.79	0.74	0.73	0.70	52	52	50	47	46	44
20	1.63	1.59	1.54	1.49	1.46	1.39	103	100	97	94	92	88
30	2.46	2.38	2.31	2.23	2.19	2.09	155	150	146	141	138	132
40	3.22	3.14	3.09	3.00	2.92	2.79	203	198	195	189	184	176
50	4.03	3.92	3.82	3.72	3.60	3.50	254	247	241	235	227	221
60	4.79	4.69	4.61	4.50	4.36	4.20	302	296	291	284	275	265
70	5.63	5.45	5.34	5.17	5.01	4.90	355	344	337	326	316	309
80	6.32	6.13	5.93	5.79	5.66	5.60	399	387	374	365	357	353
90	7.12	6.91	6.77	6.58	6.45	6.29	449	436	427	415	407	397
100	7.73	7.56	7.40	7.24	7.13	7.00	488	477	467	457	450	441

Model Number Matrix

CHEM-FEED® Model Number

CD1	CHEM-FEED® Diaphragm Metering Pump

Control

B	Base = Manual Speed Control (No I/O)
C	Control = 4-20mA Input, 4-20mA Output, Manual Speed Control, Remote Start/Stop Input, Outputs (TFD, FVS, Motor)

Diaphragm and O-Rings Material

V	DiaFlex® Diaphragms and TFE/P O-Rings
W	Flex-A-Prene® Diaphragms and TFE/P O-Rings
D	DiaFlex® Diaphragms and EP O-Rings
E	Flex-A-Prene® Diaphragms and EP O-Rings

Pump Fittings (Inlet / Outlet)

B	1/2” ID Barb Straight Fittings
C	1/2” ID Barb Elbow Fittings
S	1/4” x 3/8” Compression Straight Fittings
T	1/4” x 3/8” Compression Elbow Fittings
M	1/2” M/NPT Straight Fittings
X	1/2” M/NPT Elbow Fittings

Power Cord - Removable (Operating voltage requirement 96VAC to 264VAC)

4	115V 50/60Hz, power cord NEMA 5/15 plug (US)
6	220V 50/60Hz, power cord CEE 7/V11 plug (EU)
X	No Power Cord Provided (Power cord is required - See accessories for power cord options)

CD1	B	V	B	4	**Sample Model Number**

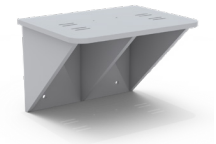
Accessories



KIT-S07
KIT-S15
KIT-S30

*** Includes cover and foot valve**

KIT-S07 (7 Gallon), KIT-S15 (15 Gallon), KIT-S30 (30 Gallon)
STAR III TANKS, PP



KIT-PSM (Lg), KIT-PSS (Sm)
WALL MOUNT BRACKET, HDPE

KIT-C*1TZZ Elbow, 1/4x3/8 tubing
KIT-C*1XZZ Elbow, 1/2” MNPT
KIT-C*1CZZ Elbow, 1/2” Hose Barb
KIT-C*1SZZ Straight, 1/4x3/8 tubing
KIT-C*1MZZ Straight, 1/2” MNPT
KIT-C*1BZZ Straight, 1/2” HoseBarb
* A = Aflas O-rings, E = EP O-rings

FITTING KITS
2 fittings, 2 union nuts, 2 O-rings

POWER CABLES - 6 ft
90010-663 115V/60Hz NEMA 5/15
90010-664 220V/50Hz CEE 7/V11
90010-665 230V/50Hz BS 1363/A
90010-666 240V/50Hz AS 3112
90010-696 230V/60Hz NEMA 6/15
90010-821 115V Lockable

POWER CABLES



KIT-M12
TWO M12 CABLES - 9.8 ft



KIT-CQA (Aflas) / KIT-CQE (EP)
QUICK CONNECT KIT MD1

Teflon Ball Check Cartridge Valve Kit (PVDF body, TFE/P O-rings, PTFE balls) 4 cartridges included.

PTFE Ball Check Cart. Kits

Visit Accessory Pages for More Options

5300 Business Drive, Huntington Beach, CA 92649
TEL 714-893-8529 | FAX 714-894-9492 | www.blue-white.com | sales@blue-white.com

ISO 9001:2015 CERTIFIED
SINCE Quality 1957
MADE IN THE USA

Plant:	EARU Primary clarifier Influent
Date:	1/14/2026
Operator:	
MGD:	0.25

ECOTECH ENTERPRISES, INC
Jar Test Data
Jason Cauthron

Source Water Data

Turbidity	pH	TOC	Fe	Mn	Alk	Hardness

Additive(% Conc) - 100			Additive(% Conc) -			Additive(% Conc) -			Treatment Performance			
Name		**PPM**	**Name**	**ul/ml**	**PPM**	**Name**	**ul/ml**	**PPM**	**Speed**	**Size**	**Settle**	**Comments:**
Control (none)		x								x	x	Clarity and settling did improve with increasing
ECO8051AB400		10								4	5	dosage, relative to the control which basically
ECO8051AB400		20								3	5	didn't settle much at all in 20-min. In 20 min
ECO8051AB400		30								3	5	settle test, control settled to 950
ECO8051AB400		40								2	3	50ppm jar settled to 750
ECO8051AB400		50								1	3	Floc size medium but compaction not good.
Additive(% Conc) - 100			**Additive(% Conc) -**			**Additive(% Conc) -**			**Treatment Performance**			
Name		**PPM**	**Name**	**ul/ml**	**PPM**	**Name**	**ul/ml**	**PPM**	**Speed**	**Size**	**Settle**	**Comments:**
Control (none)		x								x	x	Control settled to 950 in 20-min test
ECO7040A		10								2	3	7040A almost instantly created large floc
ECO7040A		20								1	2	Size and settling increased with dosage
ECO7040A		30								1	1	20ppm settled to 700
ECO7040A		40								1	1	30ppm settled to 625
ECO7040A		50								1	1	40ppm settled to 550; All good clarity.

PERACETIC ACID DOSING									
FLOW GAL/MIN	FLOW L/MIN	DOSE PPM=MG/L	DOSE MG	DOSE GRAMS	CONC. %	DENSITY G/ML	DOSE ML/MIN	DOSE GAL/HR	DOSE OZ/HR
451.00	1,707.04	2.00	3,414.07	3.41	22.00	1.14	13.61	0.22	27.62

CONVERSIONS			
MGD	GPD	GPM	CFS
0.65	650,000	451	1.01
0		0	0
0	0		0
0	0	0	

	DAYS
360 Gal Tote	69.52
55 Gal Drum	10.62
5 GAL TANK	0.97

SAFETY DATA SHEET

Issue Date: 17-Jan-2024 **Revision Date:** 12-May-2025 **Version** 3

1. Identification

Product identifier
Product Name: ECO7040A

Other means of identification
Product Code: 63330

Recommended use of the chemical and restrictions on use
Recommended Use: Industrial, Manufacturing or Laboratory use.
Restrictions on Use: None known

Details of the supplier of the safety data sheet
Manufacturer: Hawkins, Inc.
2381 Rosegate
Roseville, MN 55113
(612) 331-6910

Emergency telephone number
Emergency Telephone: CHEMTREC: 1-800-424-9300 (US) / +1 703-741-5970 (International)

2. Hazard(s) identification

Classification
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)
Not applicable

Label elements
Signal word: None

Hazard statements:
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Unknown Acute toxicity: Not applicable

Other Information
Not applicable

3. Composition/information on ingredients

Chemical name	CAS No	Weight-%
Poly(diallyldimethylammonium chloride)	26062-79-3	20

Sodium chloride	7647-14-5	1-3

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation Remove to fresh air. If symptoms persist, call a physician.

Eye contact In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Washing within one minutes is essential to achieve maximum effectiveness. If eye irritation persists: Get medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon oxides. Hydrogen chloride (HCl). Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Incompatible Materials Strong oxidizing agents. Contact with nickel, bronze, brass, aluminum, or mild steel may cause corrosion/degradation.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced and ventilation is insufficient, a suitable respirator or evacuation may be required.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Clear Viscous
Color:	Yellow
Odor:	Slight amine odor
Odor Threshold:	No information available
pH:	
pH Range:	4.0-8.0 (as is)
Salt Out Point:	No information available
Melting Point/Freezing Point:	< 0 °C / 32 °F
Boiling Point/Boiling Range:	> 100 °C / 212 °F
Flash Point:	> 100 °C / 212 °F
Evaporation Rate (BuAc=1):	Like Water
Flammability (solid, gas):	No information available
Flammability Limits in Air:	No information available
Vapor Pressure (mm Hg):	30
Vapor density (Air =1):	>60 mmHG
Specific Gravity (H_2O=1):	1.04

Water Solubility:	Completely soluble
Solubility(ies):	No information available
Partition Coefficient (n-octanol/water):	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	1,000-3,000 cps

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Molecular Weight:	N/A
Liquid Density	8.50-8.84 lbs/gal

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid None known based on information supplied.

Incompatible Materials Strong oxidizing agents. Contact with nickel, bronze, brass, aluminum, or mild steel may cause corrosion/degradation.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO_x). Hydrogen chloride (HCl).

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity:

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3,000.00 mg/kg
ATEmix (dermal)	10,000.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	10.5105 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

Component Information

Chemical name	Oral LD_{50} :	Dermal LD_{50} :	LC_{50} (Lethal Concentration):
Poly(diallyldimethylammonium chloride)	= 3 g/kg (Rat)	-	-

26062-79-3			
Sodium chloride 7647-14-5	= 3550 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 42 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other Adverse Effects: No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sodium chloride 7647-14-5	-	5560 - 6080 mg/L (LC50 96 h flow-through - Lepomis macrochirus) 12946 mg/L (LC50 96 h static - Lepomis macrochirus) 6020 - 7070 mg/L (LC50 96 h static - Pimephales promelas) 7050 mg/L (LC50 96 h semi-static - Pimephales promelas) 6420 - 6700 mg/L (LC50 96 h static - Pimephales promelas) 4747 - 7824 mg/L (LC50 96 h flow-through - Oncorhynchus mykiss)	-	1000 mg/L (EC50 48 h - Daphnia magna) 340.7 - 469.2 mg/L (EC50 48 h Static - Daphnia magna)

Persistence and Degradability: No information available.

Bioaccumulation: There is no data for this product.

Mobility: No information available.

Other Adverse Effects: No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local, state, and national regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT

Description Not DOT Regulated

15. Regulatory information

International Inventories

Chemical name	TSCA	AICS	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Poly(diallyldimethylammonium chloride) 26062-79-3	Present ACTIVE	Present	Present	-	-	-	Present	Present	Present	Present
Sodium chloride 7647-14-5	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
AICS - Australian Inventory of Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Water Act (CWA)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

OSHA - Process Safety Management - Highly Hazardous Chemicals
This product does not contain any substances regulated under Process Safety Management (29 CFR 1910.119).

Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS)
This product does not contain any substances regulated under the Chemical Facility Anti-Terrorism Standards (6 CFR 27).

16. Other information

NSF/ANSI/CAN 60 Certification

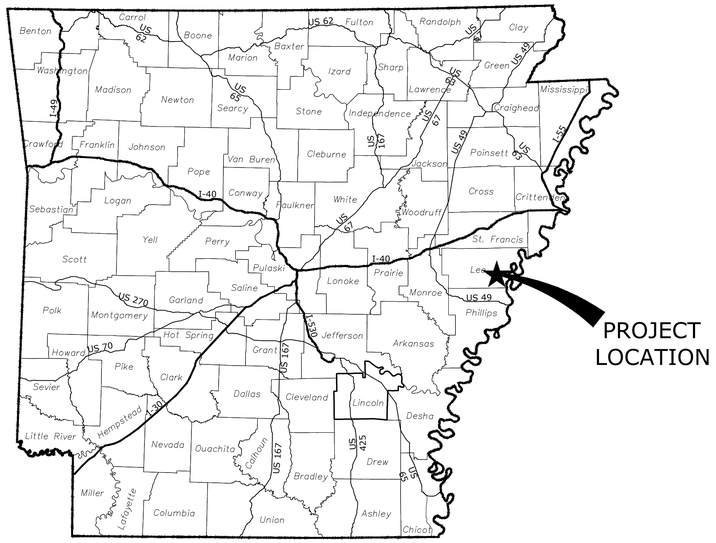


Maximum Use (mg/L unless otherwise indicated):	50
Prepared By:	HSE Department
Issue Date:	17-Jan-2024
Revision Date:	12-May-2025
Revision Note:	Product name changed.

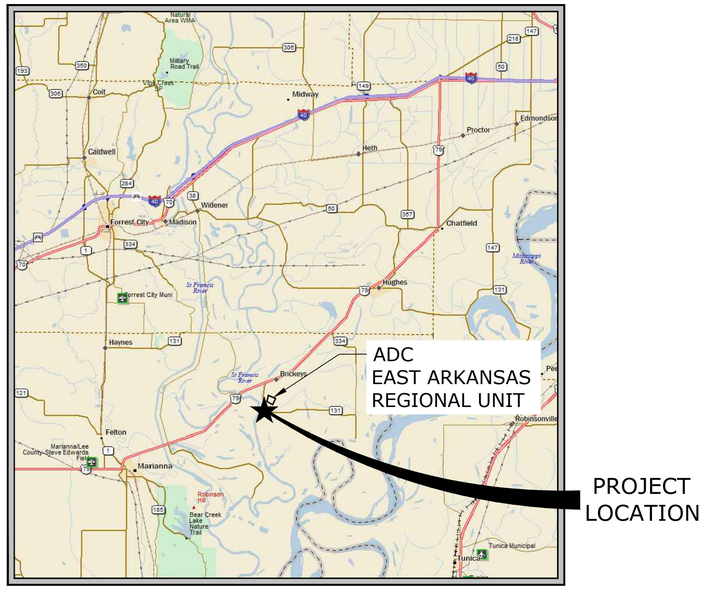
Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

ARKANSAS DEPT. OF CORRECTIONS
EAST AR REGIONAL UNIT WWTP
PERACETIC ACID DISCHARGE IMPROVEMENTS
BRICKEYS, ARKANSAS



LOCATION MAP



VICINITY MAP

INDEX TO DRAWINGS

1 COVER PAGE
2 PAA IMPROVEMENTS

JANUARY 2026
MCE PROJECT NUMBER 26-5707

REVISIONS		
REV	DATE	DESCRIPTION

McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
http://www.mce.us.com
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272

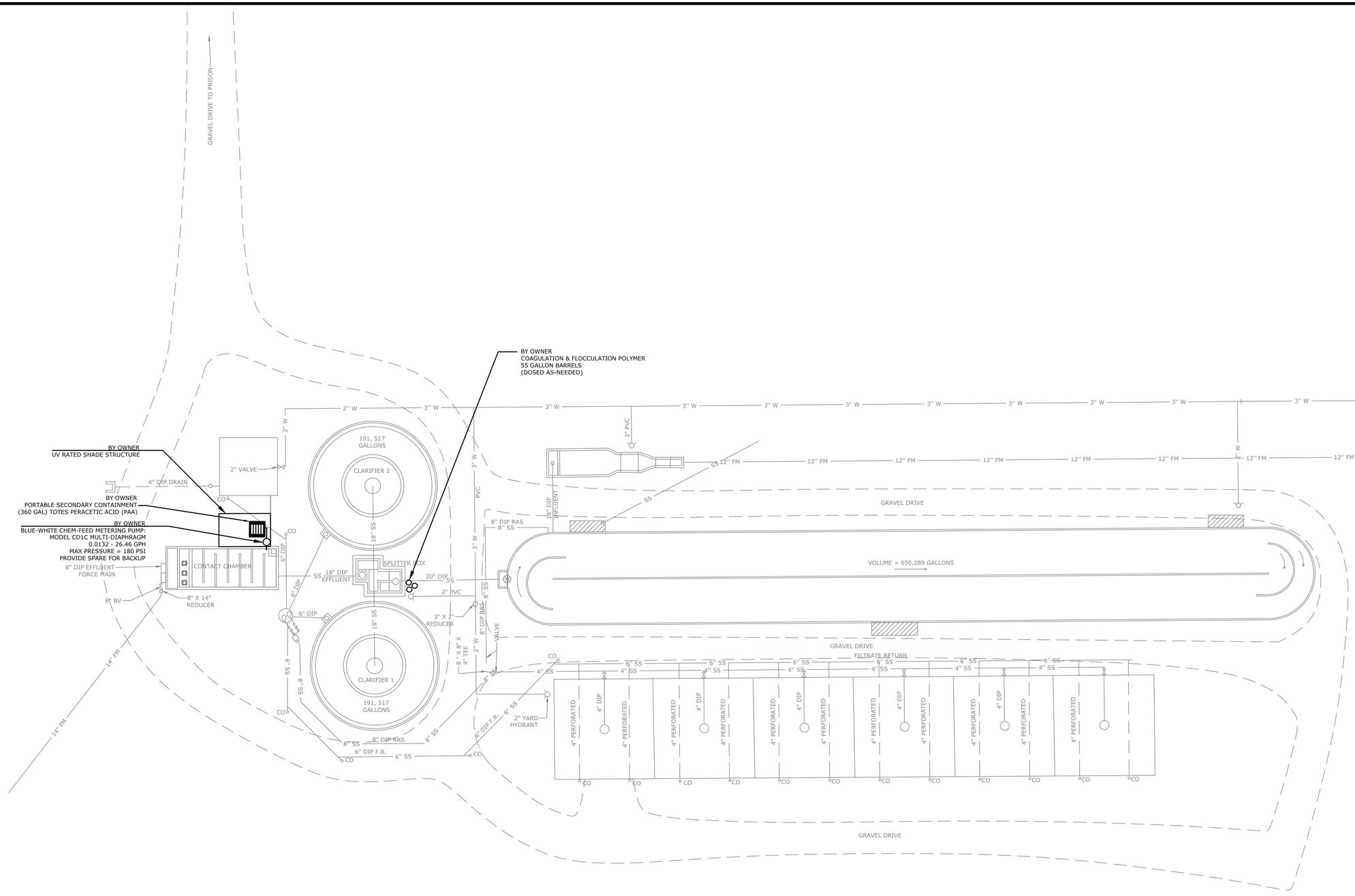
Know what's below. Call before you dig.

McCLELLAND CONSULTING ENGINEERS No. 24 CERTIFICATE OF AUTH ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 22867
BAILEY JORDAN HAMILTON
02/04/2026
ORIGINAL SIGNATURE ON FILE

EAST AR REGIONAL UNIT PERMIT MODIFICATION - MCE #26-5707

W:\2026\26-5707 ADC East AR Regional Unit Permit Modification - Regulatory, Brickeys, AR\AR0045578 PAA Improvements\Drawings\EARU PAA Discharge Improvements.dwg, PRINTED ON: January 30, 2026 @ 2:05 PM



McCLELLAND CONSULTING ENGINEERS, INC.
DESIGNED TO SERVE
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.22867
JERRY JORDAN HAMILTON
02/04/2026
ORIGINAL SIGNATURE ON FILE

©2026

ADC EAST AR REGIONAL UNIT
PAA IMPROVEMENTS
326 LEE ROAD 601
BRICKEYS, ARKANSAS 72320

Know what's below. Call before you dig.

REVISIONS

REV	DATE	DESCRIPTION

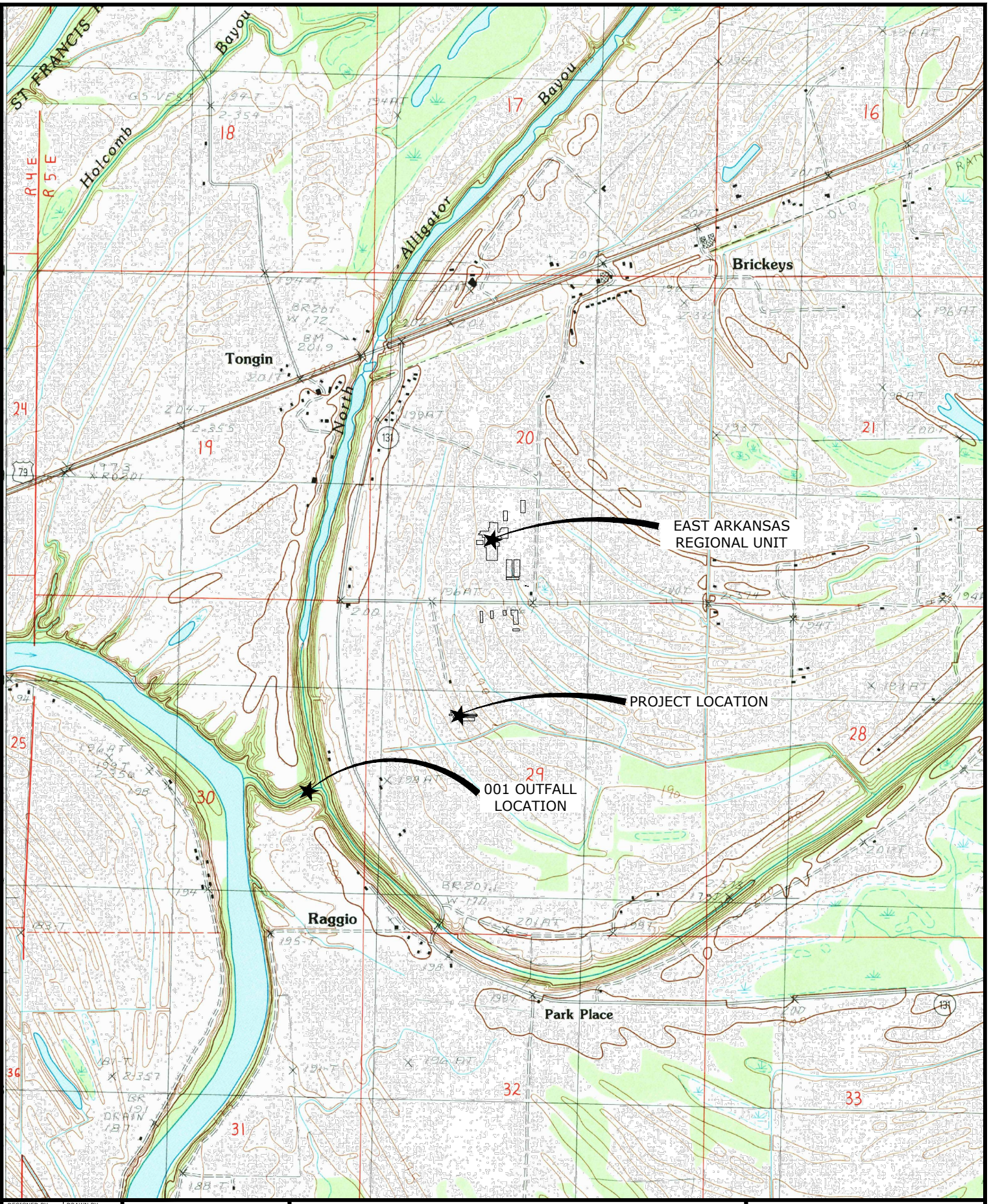
SITE PLAN

PLAN SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20ft.

DESIGNED BY:	DRAWN BY:
HH	SW
DATE: 26 JAN 26	REVISION: PAA DIS
SCALE: 1" = 20'	JOB NUMBER: 26-5707

2

W:\2026\26-5707 ADC East AR Regional Unit Permit Modification - Regulatory, Brickeys, AR\AR0045578 PAA Improvements\Drawings\EARU PAA Discharge Improvements.dwg, PRINTED ON: January 30, 2026 @ 2:05 PM



W:\2026\26-5707 ADC East AR Regional Unit Permit Modification - Regulatory, Brickeys, AR\Design Drawings\Civil\Production Drawings\26-5707 - PROCESS FLOW DIAGRAM.dwg, PRINTED ON: April 7, 2026 @ 2:37 PM

DESIGNED BY: HH	DRAWN BY: BTC
DATE: APR 2026	REVISION: ----
SCALE: AS NOTED	JOB NUMBER: 26-5707

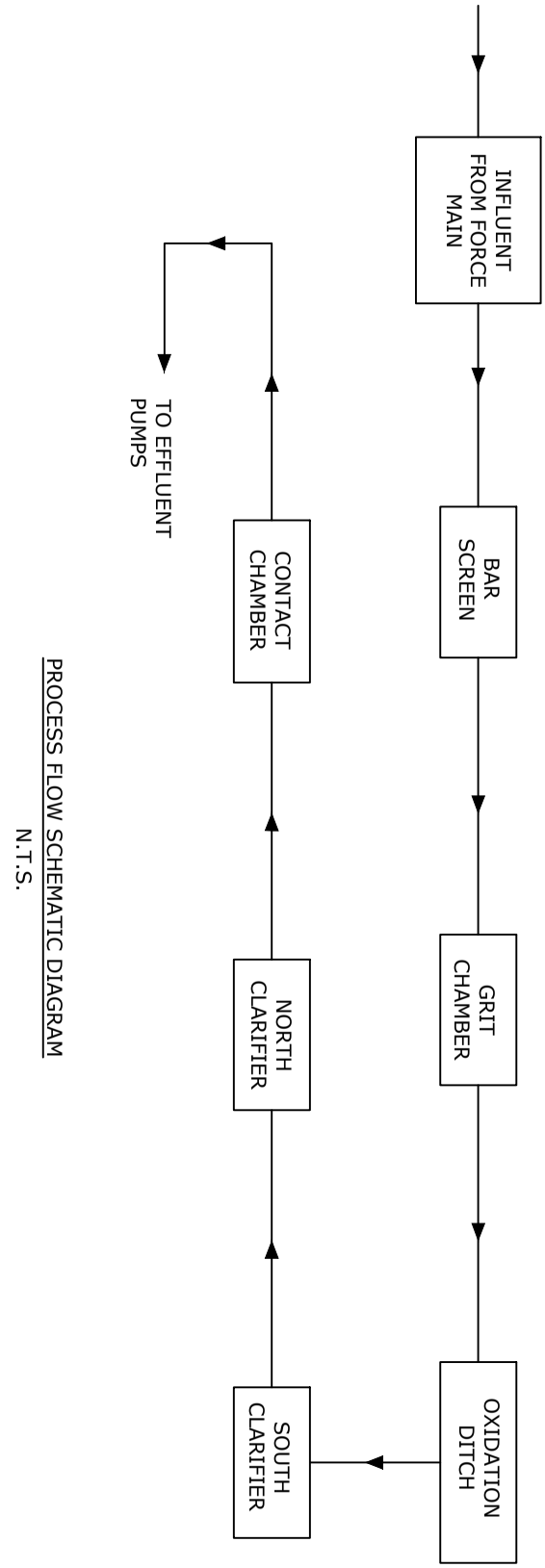
1

TOPOGRPHIC MAP

ADC EAST AR REGIONAL UNIT
WWTP DISCHARGE IMPROVEMENTS
326 LEE ROAD 601
BRICKEYS, ARKANSAS

©2026

McCLELLAND CONSULTING ENGINEERS, INC.
7302 KANIS ROAD
LITTLE ROCK, ARKANSAS 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM



PROCESS FLOW SCHEMATIC DIAGRAM

N.T.S.

DESIGNED BY: HH	DRAWN BY: CJL
DATE: 1/26/2026	REVISION:
SCALE: NTS	JOB NUMBER: 26-5707

1

PROCESS FLOW SCHEMATIC DIAGRAM

ADC EAST AR REGIONAL
UNIT PERMIT MODIFICATION
326 LEE ROAD 601
BRICKEYS, AR 72320

©2026

McCLELLAND CONSULTING ENGINEERS, INC.
7302 KANIS ROAD
LITTLE ROCK, AR 72204
(501) 371-0272
HTTP://WWW.MCE.US.COM