



November 28, 2012

Mike Cottrell, President
MAC Resources
3795 County Road 29
Mt Gilead, OH 43338

Re: **MAC Resources**
NPDES Permit 4IF00100/ OH0005576
Reconnaissance Inspection
Morrow County
Notice of Violation

Dear Mr. Cottrell:

This correspondence serves as **Notice of Violation** for failure to comply with the terms and conditions contained in the NPDES discharge permit that was recently transferred and issued to MAC Resources in September 2012.

On November 13, 2012, a Reconnaissance Inspection was conducted at the MAC Resources facility in order to ascertain the reasons for the violations and to explain the obligations associated with the discharge permit. Present for the inspection were yourself, representing MAC Resources and myself of the Ohio EPA, Central District Office, Division of Surface Water. The inspection raised several concerns which must be addressed in the following areas:

Effluent Monitoring - The NPDES permit sets forth effluent monitoring requirements and effluent limits at three outfalls. Two of the outfalls require sampling on a monthly basis, and the outfall associated with the wastewater treatment plant requires quarterly sampling. The next quarterly sampling month is December. As discussed during the inspection, MAC Resources will be expected to sample all of the permitted outfalls in December 2012 and all months thereafter as required by the effective NPDES permit. Failure to sample for the required parameters at the required frequencies is a violation of your permit.

Contract Wastewater Treatment Plant Operator – The operation of the wastewater package treatment plant must be overseen by a licensed wastewater treatment plant operator holding a Class A certification or higher. The licensed operator is required to visit the plant two days a week for a minimum of one hour. Please retain the services of a licensed operator no later than December 1, 2012, and submit documentation to this office once this task is completed.

Mike Cottrell, President
MAC Resources
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eDMR Data – Part III.4.C. of the effective permit requires that the effluent monitoring data (eDMR) be submitted every month on or before the 20th day of the month of interest. Failure to submit eDMR data in accordance with the conditions of your permit is a violation.

Please refer to the Summary of Findings and Comments section of this report for more details on these concerns.

If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 644-3848 or e-mail at mike.sapp@epa.state.oh.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Sapp", written in a cursive style.

Michael Sapp
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Michael Sapp

MS/nsm MAC Resources

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4IF00100	OH0005576	RI	S	Industrial
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
11/13/2012	9:30 AM	10:15 AM	Yes	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
MAC Resources 3795 County Road 29 Mount Gilead, Ohio 43338	8/1/2009
	Permit Expiration Date
	7/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Mike Cottrell, President MAC Resources	(419) 946-2080
Name and Title of Responsible Official	Phone Number
Mike Cottrell, President MAC Resources	(740) 627-0652 (cell)

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
U	NPDES Compliance	Failure to monitor and report in accordance with permit.
U	Operations & Maintenance	The plant did not appear to be running although no employees were present at the facility site at the time of the inspection.
M	Facility Site Review	Manufacturing facility was abandoned and subject to be demolished.
N	Collection System	
N	Flow Measurement	
N	Receiving Waters	
N	Laboratory	

Comments:

Signatures	
 11/26/12	 11/26/12
Michael Sapp, Inspector Date Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Date Compliance & Enforcement Supervisor Division of Surface Water Central District Office

Compliance Data for MAC Resources between 1/1/2012 to 10/31/2012

Summary

Permit Effluent Limit Violations: 0

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: * 0

Compliance Schedule Violations: 0

*The facility has 27 missing data reports.

Station	Required Report Period	DMR Received
002	January 2012	No
003	January 2012	No
005	January 2012	No
002	February 2012	No
003	February 2012	No
005	February 2012	No
002	March 2012	No
003	March 2012	No
005	March 2012	No
002	April 2012	No
003	April 2012	No
005	April 2012	No
002	May 2012	No
003	May 2012	No
005	May 2012	No
002	June 2012	No
003	June 2012	No
005	June 2012	No

002	July 2012	No
003	July 2012	No
005	July 2012	No
002	August 2012	No
003	August 2012	No
005	August 2012	No
002	September 2012	No
003	September 2012	No
005	September 2012	No

NOTE: The NPDES permit was transferred to MAC Resources in September 2012.

ADDITIONAL INFORMATION
MAC Resources
4IF00100 – OH0005576

General

This facility is the former Specialty Fertilizer Products plant that manufactured NPK (nitrogen, phosphorus and potassium) fertilizers and specialty fertilizers containing micronutrients, primarily zinc. Raw materials included ammonium sulfate and distressed calcium phosphate. Processes included screening, crushing, hydration and acid activation with sulfuric acid. Raw materials were primarily delivered by truck and finished materials were transported from the facility in bulk by rail. Manufacturing operations at this facility ceased in 2008 and two employees currently maintain the facility.

The facility was sold and the NPDES permit was transferred to MAC Resources in 2012. MAC Resources intends to demolish the old fertilizer manufacturing facility and maintain the plant office for 10-20 employees for a construction demolition business.

The effective NPDES permit includes the following permitted outfalls:

- 002 - Discharge from the 2,000 gpd extended aeration package plant to Thorn Run. Treatment system consists of a trash trap, extended aeration with clarification, tertiary sand filtration, chlorination and dechlorination.
- 003 - Stormwater outfall located at the southeast side of warehouse and parking area prior to discharge to Thorn Run.
- 005 - Stormwater outfall located at northeast side of plant parking area prior to discharge to Thorn Run

1. The NPDES permit sets forth effluent monitoring requirements and effluent limits at the three outfalls. Two of the outfalls require sampling on a monthly basis and the outfall associated with the wastewater treatment plant requires quarterly sampling. The next quarterly sampling month is December. As discussed during the inspection, MAC Resources will be expected to sample all of the permitted outfalls in December 2012 and all months thereafter as required by the effective NPDES permit. Failure to sample for the required parameters at the required frequencies is a violation of your permit.
2. The NPDES permit requires the wastewater plant to be operated by a certified wastewater operator. Please retain the services of a licensed operator, holding a license classification of Class A or higher, on or before December 1, 2012, and provide notification to this office when their services are retained. The licensed operator is required to visit the plant two days a week for a minimum of one hour. Please ensure that the new operator maintains an operator log book at the site.

3. From Fall 2009-Fall 2011 plant personnel undertook significant efforts to rehabilitate the recycle pond with recompacted bentonite clay in response to concerns about leakage from the pond. The impoundment was formerly used to store process water and stormwater runoff from the manufacturing and material storage areas. Plant staff drained and dredged the pond to rehabilitate the south and east banks. As a result of this work, flows at outfalls 003 and 005 have been significantly diminished and/or eliminated (no discharges reported from outfalls 003 and 005 during 2011).
4. During fertilizer production periods water levels in the impoundment were maintained by management of the manufacturing processes (e.g. if the water level in the impoundment reached a critical level a batch of fertilizer was run in order to utilize water and lower the level in the pond). During the pond rehabilitation project, plant personnel deepened an overflow channel in the northwest corner of the pond. The channel allows water to flow to a small field located just west of the plant where it dissipates by infiltration and evaporation. This modification should preclude overflows from the banks of the pond to Thorn Run. Please be aware that the NPDES permit does not authorize discharges from the former impoundment to waters of the state, therefore, you must manage water levels in the impoundment to preclude discharges to Thorn Run.
5. During the inspection, we discussed the possibility of eliminating all permitted discharges from this facility by removing the two field tiles (outfalls 003 and 005) and installing a soil based wastewater treatment system in lieu of the package plant. I would encourage you to pursue this option since the flows are likely to be very low especially from a transient group of employees. Since the future flows of wastewater are likely to be significantly less than 1000 gpd I would recommend that you contact Jerry West at the Morrow County Health Department for an evaluation of on-site disposal options. Jerry West can be reached at (419) 947-1545.