



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Sandusky County
Martin Marietta Materials, Inc.
Industrial Wastewater

August 26, 2009

Mr. Gregory R. Sparks
Martin Marietta Materials, Inc.
755 Lime Road
Woodville, Ohio 43469

Dear Mr. Sparks:

On July 17, 2009, an inspection was conducted of the wastewater discharge at Martin Marietta Magnesia Specialties, LLC. Mr. Gregory Sparks, Senior Process Engineer, Mr. Bob Owen, Martin Marietta Operator and Mr. Tom Kurfis, Clean Water Services, Inc., Operator, were present and provided information regarding wastewater treatment. Ground water, storm water and wastewater treatment plant (WWTP) effluent flow to the sedimentation pond prior to discharge.

There are two onsite wastewater treatment plants (WWTP). These facilities both discharge internally to retention ponds within the quarry operation prior to discharge through permitted outfall 2IJ00040005. Observations and recommendations of the existing WWTP's are as follows:

1. Both WWTP's appeared to have adequate aeration.
2. The surface skimmers and sludge returns were operating.
3. North WWTP (603): The clarifier was observed to have a layer of floating solids on the surface of the tank due to sludge bulking. It was indicated that an "agitator" (small mixer) has been added near the skimmer to break down the solids and prevent plugging of the skimmer return.
4. The west half of the covered sand filter was in use at the north WWTP.
5. South WWTP (604): The clarifier was observed to have sludge bulking on the surface of the tank near the effluent weir.
6. One of the covered sand filter beds was in use at the south WWTP. Some solids were observed in the filter bed not in use.

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7. The clarifier hopper walls need to be scraped down once per day to increase the solids returned and prevent sludge from bulking and floating to the surface of the tank.
8. Chlorination was being provided at both WWTP's. Chlorination is required from May through October.
9. Clean Water Services, Inc., is contracted to assist in the operations of the WWTP's.

We have received your request to relocate permitted discharge 2IJ00040003, as the active quarry operation is moving into the area of the existing outfall. The discharge will be moved downstream on Bunte Ditch, just north of its existing location. A proposed modification of the NPDES permit for this relocation, is currently under review.

A review of your discharge monitoring reports (DMRs) has also been conducted. A list of permit violations (January 2007 – July 2009) is enclosed.

If there are any questions, please advise.

Yours truly,


Mary Beth Cohen
Division of Surface Water

/csl

pc: Sandusky County Health Department
DSW-NWDO file

**Martin Marietta NPDES permit 2IJ0004
January 2007 - July 2009**

Limit Violations

Reporting Period	Reporting Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2007	604	31616	Fecal Coliform	1D Conc	2000	3400.	6/7/2007
June 2009	603	31616	Fecal Coliform	30D Conc	1000	1500.	6/1/2009

Monitoring Frequency Violations

Reporting Period	Reporting Station	Reporting Code	Parameter	Frequency	Expected	Reported	Violation Date
July 2007	603	00530	Total Suspended Solids	1/Quarter	1	0	07/01/2007
July 2007	603	80082	CBOD 5 day	1/Quarter	1	0	07/01/2007
September 2007	603	00530	Total Suspended Solids	1/Quarter	1	0	09/01/2007
September 2007	603	80082	CBOD 5 day	1/Quarter	1	0	09/01/2007
October 2007	603	00530	Total Suspended Solids	1/Quarter	1	0	10/01/2007
October 2007	603	80082	CBOD 5 day	1/Quarter	1	0	10/01/2007
November 2007	603	00530	Total Suspended Solids	1/Quarter	1	0	11/01/2007
November 2007	603	80082	CBOD 5 day	1/Quarter	1	0	11/01/2007
January 2008	603	00530	Total Suspended Solids	1/Quarter	1	0	01/01/2008
January 2008	603	80082	CBOD 5 day	1/Quarter	1	0	01/01/2008
February 2008	603	00530	Total Suspended Solids	1/Quarter	1	0	02/01/2008
February 2008	603	80082	CBOD 5 day	1/Quarter	1	0	02/01/2008

From: Mary Cohen
To: Smith, Patti
CC: Smaili, Alex
Date: 8/19/2009 1:11 PM
Subject: minor modification - 2IJ00040

Patti,

Please make the following minor modification:

Martin Marietta Magnesia Specialties, LLC
NPDES permit 2IJ00040 / OH0002658

Page 7, Part II, Other Requirements

A. Description of the location of the required sampling stations are as follows:

2IJ00040003 Quarry dewatering/stormwater (Lat:41N 28' 22"; Long: 83 W 21' 11")

Change "Lat/Long" as follows:

2IJ00040003 Quarry dewatering/stormwater **(Lat:41N 28' 59"; Long: 83 W 21' 14")**

Please let me know if there are any questions.

thanks,
Mary Beth

From: Greg Sparks <GREGORY.SPARKS@martinmarietta.com>
To: "mary.cohen@epa.state.oh.us" <mary.cohen@epa.state.oh.us>
Date: 7/17/2009 3:32 PM
Subject: Outfall 003 Relocation Drawing
Attachments: MMMSI - Woodville - Outfall 003 Relocation.pdf

Hello Mary Beth,

It was nice to meet you earlier today. I'm glad you had a good tour of the facility and as I indicated before, if you ever want to see a quarry shot - let me know when you will be in the area. I will try to coordinate it with our blasting schedule.

Per your request, here is the drawing of the new and old location for Outfall 003. Let me know if you have any questions or concerns. Thanks.

Kind Regards,

Gregory R. Sparks
Senior Process Engineer
Martin Marietta Magnesia Specialties
755 Lime Road
Woodville, OH 43469
Phone: 419-849-4254
Fax: 419-849-4246
Website: www.martinmarietta.com



NEW OUTFALL
003 LOCATION

(Hagedorn
Ditch)

*Martin
Marietta
(Surface &
Mineral)*

(Bunte Ditch)

OLD OUTFALL
003 LOCATION

