

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act as amended, (33 U.S.C. §§1251 et seq.; the "CWA", and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Stony Hill Sand & Gravel, Inc.

is authorized to discharge from a facility located at:

**Stony Hill Sand & Gravel, Inc.
2660 R. Boston Road
Wilbraham, MA 01095**

to receiving water named:

Chicopee River -Chicopee Watershed (Basin Segment MA36-23)

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on the first day of the month following 60 days after signature.

This permit and the authorization to discharge shall expire at midnight, five (5) years from the last day of the month preceding the effective date.

This is the initial permit issued to this facility.

This permit consists of five (5) pages in Part I including effluent limitations, monitoring requirements, etc. and 27 pages in Part II including General Conditions and Definitions.

Signed this 25th day of August, 2006

/s/ SIGNATURE ON FILE

Linda M. Murphy, Director
Office of Ecosystem Protection
Environmental Protection Agency
Environmental Boston, MA

Glenn Haas, Director
Division of Watershed Management
Massachusetts Department of
Protection
Boston, MA

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through expiration, the permittee is authorized to discharge treated process waste water and storm water from outfall 001. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Avg.Monthly</u>	<u>Max. Daily</u>	<u>Measurement Frequency</u> ¹	<u>Sample Type</u>
Process Water Flow (MGD)	0.08	Report	daily	Estimate
Total Daily Flow (MGD)	Report	Report	daily	Estimate
pH - Standard Units (S.U.)	6.5 - 8.3 range (See Part I. A. 2. a)		1/month	1 grab sample in one day
Oil and Grease (mg/l)	---	15	1/month	1 grab sample in one day
Total Suspended Solids (mg/l)	20	45	1/month	3 grab composites in one day ²
Turbidity (NTU)	Report	Report	1/month	3 grab composites in one day ²

Footnotes:

1. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: discharge through an 8" steel pipe (outfall 001) prior to entering the Chicopee River.
2. Permittee shall report the average of the three grab composite samples as the maximum daily result.

Part I.A (continued)

2.

- a. The pH shall not be less than 6.5 standard units nor greater than 8.3 standard units and not more than 0.5 units outside of the normally occurring range and shall be monitored one day per month.
- b. There shall be no discharge of floating solids or visible foam in other than trace amounts.
- c. The effluent shall not cause a visible oil sheen nor an objectionable discoloration of the receiving water.
- d. The discharge shall not cause violations of water quality standards of the receiving water which have been or may be promulgated.
- e. The effluent shall not contain materials in concentrations or combinations which are hazardous or toxic to human health, aquatic life of the receiving water or which would impair the uses designated by its classification.
- f. To ensure that unknown contaminants do not enter the waste water system at the site, the permittee shall only wash uncontaminated rock, stone or gravel in its crushing/washing/sorting operation.
- g. The permittee shall notify the regulatory agency in writing of any changes in the operations, including the use of chemical additives, at the facility that may have an effect on the permitted discharge of wastewater from the facility.

3. This permit shall be modified, or revoked and reissued to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the CWA, if the effluent standard or limitation so issued or approved:

- a. contains different conditions or is otherwise more stringent than any effluent limitation in this permit; or
- b. controls any pollutant not limited by this permit.

If the permit is modified or reissued, it shall be revised to reflect all currently applicable requirements of the CWA.

4. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - i. One hundred micrograms per liter (100 µg/l);
 - ii. Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2, 4-dinitrophenol and for 2- methyl-4, 6- dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or
 - iv. Any other notification level established by the Director in accordance with 40 C.F.R.

§122.44(f).

- b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - i. Five hundred micrograms per liter (500 µg/l);
 - ii. One milligram per liter (1 mg/l) for antimony;
 - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or
 - iv. Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).
- c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

B. STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

1. The permittee shall complete a Storm Water Pollution Prevention Plan (SWPPP) for this facility within 90 days after the effective date of this permit. The SWPPP shall refer to all of the outfalls, the Priority Pollutants, the Conventional Pollutants and the monitoring requirements at each outfall. Additionally, the SWPPP shall include the best management practices (BMPs) appropriate for this specific facility to control storm water discharges from activities that could contribute pollutants to waters of the United States through storm water.
2. The permittee shall assure that the SWPPP is consistent with the requirements outlined in Part II of this Fact Sheet and Part 4 of EPA's NPDES Storm Water Multi-Sector General Permit for Industrial Activities. (See 65 FR 64,745 (2000)). Finally, the permittee is required to fully implement the SWPPP for all outfalls. The original SWPPP and the amended SWPPP become enforceable elements on and after the effective date of the permit. Consequently, the SWPPP is as enforceable as any effluent limit.
3. The permittee shall quantitatively assess the Stony Hill storm water collection and treatment system and prepare an assessment report to be submitted to the EPA and MassDEP within one year of the effective date of this permit. The assessment report shall include the system's maximum flow and storm event capacity as well as overflow infrastructure and routing.

C. MONITORING AND REPORTING

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report Form(s) postmarked no later than the 15th day of the month following the effective date of the permit.

Signed and dated originals of these, and all other reports required herein, shall be submitted to the Director at the following address:

Environmental Protection Agency
Water Technical Unit (SEW)
P.O. Box 8127
Boston, Massachusetts 02114

Signed and dated copies of all monitoring reports shall be submitted to the state at:

Massachusetts Department of Environmental Protection
Western Regional Office, Bureau of Waste Prevention
436 Dwight Street
Springfield, MA 01103

In addition, signed and dated copies of all monitoring reports, other notifications and reports required herein by this permit shall also be submitted to the state at:

Massachusetts Department of Environmental Protection
Division of Watershed Management
Surface Water Discharge Permit Program
627 Main Street, 2nd Floor
Worcester, Massachusetts 01608

D. STATE PERMIT CONDITIONS

This discharge permit is issued jointly by the U.S. Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MA DEP) under federal and state law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Commissioner of the MA DEP pursuant to M.G.L. Chap. 21 §43.

Each agency shall have the independent right to enforce the terms and conditions of this permit. Any modification, suspension or revocation of this permit shall be effective only with respect to the agency taking such action, and shall not affect the validity or status of this permit as issued by the other agency, unless and until each agency has concurred in writing with such modification, suspension, or revocation. In the event any portion of this permit is declared invalid, illegal or otherwise issued in violation of state law such permit shall remain in full force and effect under federal law as an NPDES permit issued by the U.S. Environmental Protection Agency. In the event this permit is declared invalid, illegal or otherwise issued in violation of federal law, this permit shall remain in full force and effect under state law as a permit issued by the Commonwealth of Massachusetts.