

November 22, 2019

Mr. Victor Diniak Director, Public Works Town of Hanover 40 Pond Street Hanover, MA 02339

RE: NPDES Phase II Stormwater Assistance Pollution Prevention & Good Housekeeping for Municipal Operations Municipal Facility Audit Report

Dear Mr. Diniak,

In accordance with our January 17, 2019 Agreement for engineering services, Environmental Partners (EP) is forwarding this report on our audit of municipal facilities for compliance with the Town of Hanover's National Pollution Discharge Elimination System (NPDES) Stormwater General Permit (the Stormwater General Permit). Implementing Best Management Practices (BMPs) aimed at ensuring proper pollution prevention and good housekeeping for municipal operations is one requirement (Part II.B.6) of the 2016 General Permit.

On May 20, May 23, and May 28, EP performed facility audits at thirty (30) municipal facilities owned and operated by the Town of Hanover within the MS4 Regulated Area, shown on Figure 1.

These included:

- 1. Fire Department HQ
- 2. Town Hall
- 3. John Curtis Free Library
- 4. Council on Aging
- 5. Fire Station #1
- 6. Fire Station #2
- 7. Forge Pond Park
- 8. DPW Garage
- 9. DPW Maintenance Garage
- 10. DPW Storage Yard
- 11. Facility Garage
- 12. Transfer Station
- 13. Police Station
- 14. Broadway Water Treatment Facility
- 15. Philip C. Beal Water Treatment Facility

- 16. Pond Street Water Treatment Facility
- 17. Broadway Well Building #1
- 18. Broadway Well Building #2
- 19. Philip C. Beal Well Building #1
- 20. Philip C. Beal Well Building #2
- 21. Hanover Street Well Building #1
- 22. Hanover Street Well Building #2
- 23. Pond Street Well Building #1
- 24. Pond Street Well Building #2
- 25. Pond Street Well Building #3
- 26. Hanover Street Well Backup Generator
- 27. Center School
- 28. Hanover Middle School
- 29. Hanover High School
- 30. Cedar School

The audit process included touring the buildings and grounds of each property, observing accessible areas, reviewing available documents, and interviewing available facility contacts. Observations related to pollution prevention and good housekeeping, stormwater management, areas of erosion, water ponding, impervious surfaces, storage containers, and stockpile areas were documented in writing and by photograph.

The municipal facilities in the Town of Hanover are generally in compliance with respect to the Pollution Prevention and Good Housekeeping minimum control measure of the Stormwater General Permit. There were little to no observances of fuel storage tanks, which have had a history of leading to problems with storm drain contamination if floor drains/sump pumps are connected to the drainage system. EP has provided recommended facility improvements to better control stormwater runoff/releases from the facilities described in this report.

A summary of our findings from the audits is provided in Appendix A (Table 1). The table lists the facilities where audits were performed and, where applicable, identifies instances of non-conformance with the goals of the Stormwater General Permit. Recommendations for corrective action are also provided for instances of non-conformance. Photographs for many of the identified instances of non-conformance or potential upgrades are shown in Appendix B.

Corrective actions taken in response to the report should be documented in writing by the facility managers of the individual facilities, with a copy forwarded to you at the Department of Public Works to be kept on file with other Stormwater General Permit compliance documentation.

We very much appreciate the opportunity to work with the Town of Hanover on this project, and welcomed the proactive and thorough approach by all the facility contacts we worked with throughout this program. Please call or e-mail us if you have any questions or require additional information.

Sincerely,

Environmental Partners Group, Inc. Ann Marie Petricca, C.P.G. Director of Geosciences P: 617.657.0299 E: amp@envpartners.com

Ven Lunk

Environmental Partners Group, Inc. Vern S. Lincoln Project Scientist P: 617.657.0275 E: vsl@envpartners.com

Figures:1. Municipal Facility Audit Map

- Appendices: A. Municipal Facility Audit Summary
 - B. PDF Reports with Photo Documentation
 - C. Facility Figures
 - D. A Summary of Requirements for Small Quantity Generators of Hazardous Waste

Certification

Authorized Representative (Optional): All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

□ Publicly available at the website below

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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."

Printed Name	Ann Las	
Signature	J- hu	Date 9-25-2025

Facility Inventory Hanover, MA November 2019



PARTNERS

Figure 1 Municipal Facility Audit Map Town of Hanover, MA

I:\Hanover.102\Stormwater\102-1901 FY2019 Stormwater\5. Facility Audit\Report\Figures\Municipal Facility Audit Map.mxd

Appendix A:

Municipal Facility Audit Summary



Town of Hanover, Massachusetts National Pollution Discharge Elimination System Stormwater Permit Pollution Prevention & Good Housekeeping for Municipal Operations Municipal Facility Audit Summary

Facility	Address	Purpose of Facility	Date of Site Visit	Floor Drain Information*	Observed Instances of Non-Conformance	Recommendation	Non-MS4 Observations & Recommendations
Police Station	129 Rockland Street	Public Safety	May 20, 2019	Floor drains in boiler room and bathrooms, discharge to septic. Floor drain in garage, unconfirmed discharge location.	Uncapped 55-gallon drums of waste hydraulic fluid stored outside, uncovered.	Confirm hazardous waste generator status and label/store waste oil and other chemicals in accordance with EPA requirements and DEP guidelines (guidelines attached as Appendix D).	Store gasoline containers in flammable cabinet in shed.
Fire Department HQ	32 Center Street	Public Safety	May 20, 2019	Floor drains in truck bay, discharges to tight tank. Floor drains in locker room and furnace room, discharge to septic.	Dumpster uncovered.	Keep dumpster covers closed to minimize runoff to storm drains.	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker.
Council on Aging	60 Stockbridge Road	Recreation	May 20, 2019	Floor draings in boiler room, bathrooms, and kitchen. Discharge to septic.	Dumpster uncovered.	Keep dumpster covers closed to minimize runoff to storm drains.	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker.
John Curtis Free Library	32 Center Street	Library	May 20, 2019	Floor drains in bathrooms and boiler room. Discharge to septic.	None	None	None
Town Hall	550 Hanover Street	lunicipal Administratio	May 20, 2019	Floor drains in bathrooms and boiler room. Discharge to septic.	None	None	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker.
Fire Station #1	925 Circuit Street	Public Safety	May 22, 2019	Floor drain in truck bay. Discharge to tight tank.	None	None	None
Fire Station #2	1161 Main Street	Public Safety	May 22, 2019	Floor drain in truck bay. Discharge to tight tank.	None	None	None
Forge Pond Park	241 King Street	Recreation	May 22, 2019	Floor drains in bathrooms, kitchen, and boiler room. Discharge to septic.	None	None	None
DPW Garage	416 Circuit Street	DPW Operations	May 23, 2019	Floor drain in bathroom to septic. Floor drain in garage to tight tank.	None	None	None
DPW Maintenance Garage	229 Ames Way	DPW Operations	May 23, 2019	Floor drains in bathroom and service bay, discharge to tight tank.	Oil and hazardous waste storage.	Confirm hazardous waste generator status and label/store waste oil and other chemicals in accordance with EPA requirements and DEP guidelines (guidelines attached as Appendix D).	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker. Dispose of empty drums that are currently stored outside.
DPW Storage Yard	229 Ames Way	DPW Operations	May 23, 2019	None	Single catchbasin collects runoff from salt pile, catchbasin cleanings, and street sweepings. This discharges to nearby stream.	New storm drainage and updated storage solutions need to be developed.	None
Facility Garage	265 Cedar Street	DPW Operations	May 23, 2019	None	None	None	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker.
Transfer Station	90 Rockland Street	DPW Operations	May 23, 2019	None	Waste oil and anti-freeze containers uncovered. Used oil drums and batteries stored outside, uncovered. Salt pile uncovered and dumpsters with no covers.	Cover oil, chemical, and anti-freeze containers and place in secondary containment. Confirm hazardous waste generator status and label/store waste oil and other chemicals in accordance with EPA requirements and DEP guidelines (guidelines attached as Appendix D).	None
Broadway Water Treatment Facility	507 Broadway Street	DPW Operations	May 23, 2019	Floor drains discharge to tight tank.	None	None	None
Philip C. Beal Water Treatment Plant	100 Riverside Drive	DPW Operations	May 23, 2019	Floor drains discharge to tight tank.	None	None	None
Pond Street Water Treatment Facility	40 Pond Street	DPW Operations	May 23, 2019	Floor drains discharge to tight tank.	None	None	None
Broadway Well #1	507 Broadway Street	DPW Operations	May 23, 2019	Sump discharge outside building.	None	None	None





Town of Hanover, Massachusetts National Pollution Discharge Elimination System Stormwater Permit Pollution Prevention & Good Housekeeping for Municipal Operations Municipal Facility Audit Summary

Facility	Address	Purpose of Facility	Date of Site Visit	Floor Drain Information*	Observed Instances of Non-Conformance	Recommendation	Non-MS4 Observations & Recommendations
Broadway Well #2	507 Broadway Street	DPW Operations	May 23, 2019	Sump discharge outside building.	None	None	None
Philip C. Beal Well #1	100 Riverside Drive	DPW Operations	May 23, 2019	None	None	None	None
Philip C. Beal Well #2	100 Riverside Drive	DPW Operations	May 23, 2019	None	None	None	None
Hanover Street Well #1	121 Hanover Street	DPW Operations	May 23, 2019	None	None	None	None
Hanover Street Well #2	121 Hanover Street	DPW Operations	May 23, 2019	None	None	None	None
Hanover Street Well Backup Generator	121 Hanover Street	DPW Operations	May 23, 2019	None	None	None	None
Pond Street Well #1	87 Pond Street	DPW Operations	May 23, 2019	Sump discharge outside building.	None	None	None
Pond Street Well #2	87 Pond Street	DPW Operations	May 23, 2019	Sump discharge outside building.	None	None	None
Pond Street Well #3	87 Pond Street	DPW Operations	May 23, 2019	Sump discharge outside building.	None	None	None
Center School	65 Silver Street	School	May 28, 2019	Floor drains in boiler room, bathrooms, and kitchen. Discharge to septic.	Dumpster uncovered.	Keep dumpster covers closed to minimize runoff to storm drains.	Organize chemicals and store neatly to avoid spills. Gas cans/flammables should be stored in a flammables storage locker.
Hanover Middle School	45 Whiting Street	School	May 28, 2019	Floor drains in boiler room, kitchen, bathrooms, and locker rooms. Discharge to septic.	None	None	None
Hanover High School	287 Cedar Street	School	May 28, 2019	Floor drains in kitchen, bathrooms, boiler room, and concession building. Discharge to septic.	None	None	None
Cedar School	265 Cedar Street	School	May 28, 2019	Floor drains in kitchen, boiler room, and bathrooms. Discharge to septic.	None	None	None

* Floor drain discharge location based on information provided by the Town. EP did not verify discharge locations by field methods.



Appendix B:

PDF Reports and Photo Documentation

Well Building, Broadway Well #1

Created	2019-05-23 09:21:21 EDT by Vern Lincoln
Updated	2019-10-17 10:53:28 EDT by Vern Lincoln
Location	42.1099485, -70.8271085
General	

Inspections		
Facility Name	Broadway Well #1	
Facility Type	Well Building	
Address	507 Broadway Hanover, Massachusetts 02339	
Time	09:21	
Date	2019-05-23	
Client	Town of Hanover	

No

Main Inspection

Observed Instance of Non-Conformance



Photos





DPW, DPW Storage Yard

Created	2019-05-23 10:35:23 EDT by Vern Lincoln
Updated	2019-10-17 10:52:23 EDT by Vern Lincoln
Location	42.0996831, -70.8726532

General

Client	Town of Hanover
Date	2019-05-23
Time	10:35
Address	229 Ames Way Hanover, Massachusetts 02339
Facility Type	DPW
Facility Name	DPW Storage Yard

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

Yes









































Transfer Station, Hanover Transfer Station

Created	2019-05-23 09:53:33 EDT by Vern Lincoln
Jpdated	2019-10-17 10:54:07 EDT by Vern Lincoln
ocation	42.115318, -70.8259386

General

Client	Town of Hanover
Date	2019-05-23
Time	09:53
Address	90 Rockland Street Hanover, Massachusetts 02339
Facility Type	Transfer Station
Facility Name	Hanover Transfer Station

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

Yes

































































Well Building, Pond Street Well #3

Created	2019-05-23 08:52:25 EDT by Vern Lincoln
Updated	2019-10-17 10:55:31 EDT by Vern Lincoln
Location	42.1340904, -70.8347582

General

Client	Town of Hanover
Date	2019-05-23
Time	08:52
Address	1 White Violet Lane Plymouth, Massachusetts 02360
Facility Type	Well Building
Facility Name	Pond Street Well #3

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No












School, Center School

Created	2019-05-28 12:55:45 EDT by Vern Lincoln
Updated	2019-10-17 10:57:18 EDT by Vern Lincoln
Location	42.119144, -70.8423569

General

Client	Town of Hanover
Date	2019-05-28
Time	12:55
Address	65 Silver Street Hanover, Massachusetts 02339
Facility Type	School
Facility Name	Center School

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos







drains to septic





storm

































near door leading outside, sloped down





grease trap



















Well Building, Pond Street Well #2

2019-05-23 08:49:47 EDT by Vern Lincoln
2019-10-17 10:55:22 EDT by Vern Lincoln
42.133803, -70.8335789

General

Client	Town of Hanover
Date	2019-05-23
Time	08:49
Address	95 Pond Street Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Pond Street Well #2

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos













Town Hall, Hanover Town Hall

Created	2019-05-20 08:56:24 EDT by Vern Lincoln
Updated	2019-10-17 10:52:57 EDT by Vern Lincoln
Location	42.1159198, -70.8443108

General

Client	Town of Hanover
Date	2019-05-20
Time	08:56
Address	550 Hanover Street Hanover, Massachusetts 02339
Facility Type	Town Hall
Facility Name	Hanover Town Hall

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos



























































Fire Station, Fire Station #1

Created	2019-05-22 09:37:02 EDT by Vern Lincoln
Updated	2019-10-17 10:52:04 EDT by Vern Lincoln
Location	42.1199377, -70.8837872

General

Client	Town of Hanover
Date	2019-05-22
Time	09:37
Address	925 Circuit Street Hanover, Massachusetts 02339
Facility Type	Fire Station
Facility Name	Fire Station #1

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos



















School, Cedar School

Created	2019-05-28 13:57:52 EDT by Vern Lincoln
Updated	2019-10-17 10:57:25 EDT by Vern Lincoln
Location	42.1320394, -70.867873

General

Client	Town of Hanover
Date	2019-05-28
Time	13:57
Address	265 Cedar Street Hanover, Massachusetts 02339
Facility Type	School
Facility Name	Cedar School

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos






kitchen floor drain



grease trap in kitchen, dish washer







































Well Building, Pond Street Well #1

2019-05-23 08:46:06 EDT by Vern Lincoln
2019-10-17 10:55:13 EDT by Vern Lincoln
42.1329115, -70.8332084

General

Client	Town of Hanover
Date	2019-05-23
Time	08:46
Address	87 Pond Street Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Pond Street Well #1

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos







Water from cooling pump





Police Station, Police Station Headquarters

Created	2019-05-20 10:12:16 EDT by Vern Lincoln
Updated	2019-10-17 10:52:49 EDT by Vern Lincoln
Location	42.1140447, -70.8239344

General

Client	Town of Hanover
Date	2019-05-20
Time	10:12
Address	129 Rockland Street Hanover, Massachusetts 02339
Facility Type	Police Station
Facility Name	Police Station Headquarters

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

Yes

















Cell drains























































Well Building, Philip C. Beal Well #2

2019-05-23 09:42:01 EDT by Vern Lincoln
2019-10-17 10:55:45 EDT by Vern Lincoln
42.1017822, -70.8144234

General

Client	Town of Hanover
Date	2019-05-23
Time	09:42
Address	100 Riverside Drive Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Philip C. Beal Well #2

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos





Well Building, Philip C. Beal Well #1

Created	2019-05-23 09:40:05 EDT by Vern Lincoln
Updated	2019-10-17 10:53:43 EDT by Vern Lincoln
Location	42.1018645, -70.8150543

General

Client	Town of Hanover
Date	2019-05-23
Time	09:40
Address	100 Riverside Drive Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Philip C. Beal Well #1

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos





Well Building, Hanover Street Well #2 - Not in Use

	Normose
Created	2019-05-23 09:04:54 EDT by Vern Lincoln
Updated	2019-10-17 10:53:58 EDT by Vern Lincoln
Location	42.1174861, -70.830087
General	
Client	Town of Hanover
Date	2019-05-23
Time	09:04
Address	149 Hanover Street Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Hanover Street Well #2 - Not in Use
Inspections	
Main Inspection	
Observed Instance of Non-Conformance	No



Photos





Library, John Curtis Free Library

Created	2019-05-20 09:56:48 EDT by Vern Lincoln
Updated	2019-10-17 10:51:23 EDT by Vern Lincoln
Location	42.1157745, -70.8451797

General

Client	Town of Hanover
Date	2019-05-20
Time	09:56
Address	32 Center Street Hanover, Massachusetts 02339
Facility Type	Library
Facility Name	John Curtis Free Library

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos











Elevator hydraulic pump







Staff restroom



1st floor bathroom












Council on Aging, Council on Aging

0:52:37 EDT by Vern Lincoln
-70.8634367

General

Client	Town of Hanover
Date	2019-05-20
Time	10:46
Address	60 Stockbridge Road Hanover, Massachusetts 02339
Facility Type	Council on Aging
Facility Name	Council on Aging

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos





























attic floor drain for condensation

















DPW, DPW Garage

Created	2019-05-23 10:16:33 EDT by Vern Lincoln
Updated	2019-10-17 10:55:53 EDT by Vern Lincoln
Location	42.1073761, -70.8692391

General

Client	Town of Hanover
Date	2019-05-23
Time	10:16
Address	416 Circuit Street Hanover, Massachusetts 02339
Facility Type	DPW
Facility Name	DPW Garage

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos































Facility Garage

Created	2019-05-28 15:55:48 EDT by Vern Lincoln
Updated	2019-05-28 15:59:11 EDT by Vern Lincoln
Location	42.1314476, -70.8686006

General

Client	Town of Hanover	
Date	2019-05-28	
Time	15:55	
Address	265 Cedar Street Hanover, Massachusetts 02339	
Facility Type	Facility Garage	

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos





















Well Building, Hanover Street Well #1

weil Building, Hanover Street weil	#1
Created	2019-05-23 09:01:28 EDT by Vern Lincoln
Updated	2019-10-17 10:58:25 EDT by Vern Lincoln
Location	42.1172397, -70.8310435
General	
Client	Town of Hanover
Date	2019-05-23
Time	09:01
Address	121 Hanover Street Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Hanover Street Well #1
Inspections	
Main Inspection	
Observed Instance of Non-Conformance	No



Photos





Water Treatment Plant, Philip C. Beal Water Treatment Facility

Created	2019-05-23 09:36:13 EDT by Vern Lincoln
Updated	2019-10-17 10:58:14 EDT by Vern Lincoln
Location	42.1019227, -70.815524

General

Client	Town of Hanover
Date	2019-05-23
Time	09:36
Address	100 Riverside Drive Hanover, Massachusetts 02339
Facility Type	Water Treatment Plant
Facility Name	Philip C. Beal Water Treatment Facility

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

























School, Hanover Middle School

Created	2019-05-28 14:32:47 EDT by Vern Lincoln
Updated	2019-10-17 10:57:42 EDT by Vern Lincoln
Location	42.1312504, -70.8772114

General

Client	Town of Hanover
Date	2019-05-28
Time	14:32
Address	45 Whiting Street Hanover, Massachusetts 02339
Facility Type	School
Facility Name	Hanover Middle School

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos












































Park, Forge Pond Park

Created	2019-05-22 08:52:40 EDT by Vern Lincoln
Updated	2019-05-22 09:37:01 EDT by Vern Lincoln
Location	42.1031504, -70.8792372

General

Client	Town of Hanover
Date	2019-05-22
Time	08:52
Address	241 King Street Hanover, Massachusetts 02339
Facility Type	Park
Facility Name	Forge Pond Park

No

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

DOG OWNERS WUST PICK UP AND DISPOSE OF THEIR ANIMALS WASTE Per deter if Ne folds of Animate DOGS MUST EE KEPT ON A LEASH Per deternit Type Bytere 10























Fire Station, Fire Station #2

Created	2019-05-22 09:59:59 EDT by Vern Lincoln
Updated	2019-10-17 10:52:12 EDT by Vern Lincoln
Location	42.1500792, -70.8683647

General

Client	Town of Hanover
Date	2019-05-22
Time	09:59
Address	1161 Main Street Hanover, Massachusetts 02339
Facility Type	Fire Station
Facility Name	Fire Station #2

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No































Well Building, Broadway Well #2

Created	2019-05-23 09:24:41 EDT by Vern Lincoln
Updated	2019-10-17 10:58:39 EDT by Vern Lincoln
Location	42.1101125, -70.8273689

General

Client	Town of Hanover
Date	2019-05-23
Time	09:24
Address	507 Broadway Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Broadway Well #2

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No













DPW, DPW Maintenance Garage

Created	2019-05-23 10:24:37 EDT by Vern Lincoln
Updated	2019-10-17 10:56:00 EDT by Vern Lincoln
Location	42.0996831, -70.8726532

General

Client	Town of Hanover
Date	2019-05-23
Time	10:24
Address	229 Ames Way Hanover, Massachusetts 02339
Facility Type	DPW
Facility Name	DPW Maintenance Garage

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

























































School, Hanover High School

Created	2019-05-28 15:03:48 EDT by Vern Lincoln
Updated	2019-10-17 10:57:52 EDT by Vern Lincoln
Location	42.1306492, -70.8696851

General

Client	Town of Hanover
Date	2019-05-28
Time	15:03
Address	287 Cedar Street Hanover, Massachusetts 02339
Facility Type	School
Facility Name	Hanover High School

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No




































































concession bathroom













Water Treatment Plant, Pond Street Water Treatment Facility

Created	2019-05-23 08:28:35 EDT by Vern Lincoln
Updated	2019-10-17 10:56:22 EDT by Vern Lincoln
Location	42.130909, -70.833203

General

Client	Town of Hanover
Date	2019-05-23
Time	08:28
Address	40 Pond Street Hanover, Massachusetts 02339
Facility Type	Water Treatment Plant
Facility Name	Pond Street Water Treatment Facility

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No

























































Water Treatment Plant, Broadway Water Treatment Facility

Created	2019-05-23 09:22:11 EDT by Vern Lincoln
Updated	2019-10-17 10:56:37 EDT by Vern Lincoln
Location	42.1098518, -70.8273312

General

Client	Town of Hanover
Date	2019-05-23
Time	09:22
Address	507 Broadway Hanover, Massachusetts 02339
Facility Type	Water Treatment Plant
Facility Name	Broadway Water Treatment Facility

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No






























Well Building, Hanover Street Well Backup Generator

Created	2019-05-23 09:03:43 EDT by Vern Lincoln
Updated	2019-10-17 10:56:52 EDT by Vern Lincoln
Location	42.1175921, -70.8299556

General

Client	Town of Hanover
Date	2019-05-23
Time	09:03
Address	149 Hanover Street Hanover, Massachusetts 02339
Facility Type	Well Building
Facility Name	Hanover Street Well Backup Generator

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No





Fire Station, Fire Department Headquarters

2019-05-20 09:31:39 EDT by Vern Lincoln
2019-10-17 10:51:45 EDT by Vern Lincoln
42.1157668, -70.8452131

General

Client	Town of Hanover
Date	2019-05-20
Time	09:31
Address	32 Center Street Hanover, Massachusetts 02339
Facility Type	Fire Station
Facility Name	Fire Department Headquarters

Inspections

Main Inspection

Observed Instance of Non-Conformance

Photos

No



























































Appendix C:

Facility Figures



PARTNERS

Figure 1 Municipal Facility Audit Map Town of Hanover, MA

I:\Hanover.102\Stormwater\102-1901 FY2019 Stormwater\5. Facility Audit\Report\Figures\Municipal Facility Audit Map.mxd































Appendix D:

A Summary of Requirements for Small Quantity Generators of Hazardous Waste

A SUMMARY OF REQUIREMENTS FOR SMALL QUANTITY GENERATORS

OF HAZARDOUS WASTE

Updated July 2014

Prepared by: Massachusetts Department of Environmental Protection Bureau of Waste Prevention Business Compliance Division 1 Winter Street Boston, MA 02108 <u>www.mass.gov/dep/</u>

INTRODUCTION

Many essential services, including auto repair and dry-cleaners and institutions, such as schools and hospitals, produce hazardous waste. If you use cleaning solvents, oil, inks, paints, acids, or alkalines, for example, you may be a generator of hazardous waste.

As a generator, it is your responsibility to know your legal obligations under the Massachusetts Hazardous Waste Regulations. Inappropriate handling and disposal of hazardous waste has damaged water supplies and threatened human health. Increasingly, businesses find that meeting the legal requirements is good practice that protects the environment, the equity in their property and their neighbors and employees.

Under the "Superfund" law, you are liable for your hazardous waste and any damage it causes even after it leaves your site and is taken away by a transporter to a treatment, storage or disposal facility. You can be required to contribute to the costs of cleaning up any contamination, resulting from your wastes wherever they end up. It is important, therefore, that you determine how to prevent pollution before it begins.

The cost of waste disposal and liability coverage is escalating. Landfilling of many hazardous wastes is now banned. There are few commercial hazardous waste disposal facilities and their capacity is limited.

Reducing the amount of your hazardous waste may be the most economical and environmentally sound approach to meeting your requirements. Substituting non-hazardous for hazardous products, modifying your process, segregating non-hazardous from hazardous waste streams, recycling your waste and better housekeeping should be key considerations for you.

The Massachusetts Department of Environmental Protection (DEP) regulates all nonhouseholds (businesses and institutions) which generate any amount of hazardous waste. Radioactive wastes, unless mixed with hazardous waste, and infectious wastes are regulated by the Massachusetts Department of Public Health as well as by federal agencies.

This brochure is a summary of a portion of the Massachusetts Hazardous Waste Regulations and is organized as follows:

Classification Paperwork Housekeeping Very Small Quantity Generators It is designed to help you understand the regulations and will assist you in meeting your legal obligation and avoiding potential penalties. However, it is not a substitute for reading and complying with the full Hazardous Waste Regulations 310 CMR 30.000.

Because Massachusetts requirements are more stringent than the federal requirements, you will be in compliance with federal hazardous waste regulations when you meet the state standards.

The complete regulations are available at cost at the State House Bookstores. You can have them sent to you by calling Boston's bookstore (617) 727-2834, or (413) 784-1376 in Springfield. Ask for the most recent compilation of 310 CMR 30.000.

For a specific fact sheet for your industry, which will provide more detailed information, call the Hazardous Waste Regulatory Program's Compliance Assistance Line at (617) 292-5898.

CLASSIFICATION

Determine whether your waste is hazardous (310 CMR 30.100)

Common hazardous wastes are:

- waste oil
- solvents and thinners
- acids and bases/alkalines
- toxic or flammable paint wastes
- nitrates, perchlorates and peroxides
- abandoned or used pesticides
- some wastewater treatment sludges

There are two ways a waste may be identified as hazardous: it may be **listed** in the regulations (310 CMR 30.131-136) or it may be defined by its hazardous **characteristic** (310 CMR 30.120).

Hazardous waste may be a listed discarded chemical, an off-specification product, or a liquid or solid residue from an operation process, which has one or more of the characteristics below:

* Ignitable (easily catches fire, flash point 140 F);

* **Corrosive** (easily corrodes materials or human tissue, very acidic or alkaline, pH of ≤ 2 or ≥ 12.5);

* **Reactive** (explosive, produces toxic gases when mixed with water or acid);

* Toxic (can leach toxic chemicals as determined by a special laboratory test).

Your waste is considered **acutely hazardous** if it is on the list of acutely hazardous wastes (310 CMR 30.136). These wastes are extremely toxic or reactive and are regulated more strictly than other hazardous wastes.

To find out if your waste is hazardous check with:

* the supplier of the product (request a material safety data sheet);

* laboratories;

- * trade associations;
- * consulting engineers;

and verify by reviewing the Massachusetts Hazardous Waste Regulations.
Determine your generator status and regulatory requirements

Two activities determine your generator category: the *rate* at which you generate and *how much* you store (accumulate). The amount and length of time you can accumulate your wastes will vary according to the type of waste.

A Large Quantity Generator (LQG) generates more than 1,000 kilograms (2200 lbs.) of hazardous waste in a month, or more than 1 kilogram of acutely hazardous waste (acutely hazardous waste is listed in the Massachusetts regulations, 310 CMR 30.136). The waste must be shipped within 90 days. There is no limit to the amount which can be accumulated.

A **Small Quantity Generator (SQG)** generates less than 1,000 kilograms in a month, and/or less than 1 kilogram of acutely hazardous waste. The waste must be shipped within 180 days and accumulation is limited to 6000 kilograms in tanks and containers.

A Very Small Quantity Generator (VSQG) generates less than 100 kilograms in a month, generates no acutely hazardous waste, and accumulates no more than 1,000 kilograms at any time.

To understand how you are regulated, estimate your maximum monthly volume of waste oil and your maximum monthly volume of all other hazardous waste. <u>The Guide to Determining</u> <u>Status and Regulatory Requirements</u> on page 5 will assist you.

Example:

Your firm generates 55 gallons of spent solvent and 500 gallons of waste oil in a month. According to the <u>Guide</u> (see conversions), you are a Small Quantity Generator (SQG) of hazardous waste because you generate more than 100 kilograms but less than 1000 kilograms, and a Large Quantity Generator (LQG) of waste oil because you generate more than 1000 kilograms. Your regulatory status will be found on the fifth line [SQG/LQG].

Reading across, you may accumulate your solvent for as long as 180 days, or until you have reached a volume of 6000 kilograms (1500 gallons) (see page 10), whichever happens first. You must ship your waste oil every 90 days, regardless of the volume. You must obtain an EPA Identification Number and use a manifest for both wastes. You must manage your waste according to the accumulation area standards on page 8 and you must fulfill the emergency preparation and response requirements on page 11. You are not required to file an annual report or a contingency plan or provide full personnel training, which is necessary for large generators of hazardous waste.

	Regulatory Status		Hazardous Waste Management Accumulation Limits		Waste Oil Management Accumulation Limits		Transport Requirements		Management Requirements		
	Hazardous Waste	Waste Oil	Time (Days)	Volume in Tanks and Containers (kg)	Time (Days)	Volume in Tanks and Containers (kg)	Must Use Manifest	May Self Transport Haz Waste and/or Waste Oil	Accumulation Area Standards	Emergency Preparation	Personnel Training & Contingency Plans & Biennial Rpt
NOTIFICATION TO EPA	LQG	LQG	90	NO LIMIT	90	NO LIMIT	YES		YES		YES
	LQG	SQG	90	NO LIMIT	180	6000	YES		YES		YES
	LQG	VSQG	90	NO LIMIT	NO LIMIT	1000	YES*	YES _(WO)	YES		YES
	LQG	NONE	90	NO LIMIT	N/A	N/A	YES		YES		YES
	SQG	LQG	180	6000	90	NO LIMIT	YES		YES	YES	
	SQG	SQG	180	6000	180	6000	YES		YES	YES	
	SQG	VSQG	180	6000	NO LIMIT	1000	YES*	YES _(WO)	YES	YES	
	SQG	NONE	180	6000	N/A	N/A	YES		YES	YES	
	VSQG	LQG	NO LIMIT	1000	90	NO LIMIT	YES*	YES _(HW)	YES	YES	
	NONE	LQG	N/A	N/A	90	NO LIMIT	YES		YES	YES	
TO DEP	VSQG	SQG	NO LIMIT	1000	180	6000	YES*	YES _(HW)	YES	YES	
	VSQG	VSQG	NO LIMIT	1000	NO LIMIT	1000	YES*	YES	YES		
	VSQG	NONE	NO LIMIT	1000	N/A	N/A	YES*	YES	YES		
	NONE	SQG	N/A	N/A	180	6000	YES		YES	YES	
	NONE	VSQG	N/A	N/A	NO LIMIT	1000	YES*	YES	YES		

This matrix does not reflect ACUTELY Hazardous waste

* - A manifest must be used for the VSQG category unless self transported.

Definitions:	<u>Regulatory</u> <u>Status</u>	<u>Kilograms/</u> <u>Month</u> (Generation)	Conversions::	<u>Kilograms</u>	Pounds	Gallons (varies by substance)
	LQG	1000 OR MORE		100	220	25-27
	SQG	100-999		1000	2200	250-270
	VSQG	LESS THAN 100		6000	13200	1500-1620

PAPERWORK

The Manifest (310 CMR 30.310)

As a generator you always retain responsibility for your hazardous waste. If your waste is dumped or disposed of improperly, you can be held responsible. It is therefore important that you know where your waste is going and that it is handled properly and safely.

Federal law (the Resource Conservation and Recovery Act of 1976, known as RCRA) requires a national 'cradle to grave' tracking system for hazardous waste. In Massachusetts, every shipment of hazardous waste by a large or small generator must be transported by a licensed hauler and sent to a licensed treatment, storage or disposal facility (TSDF) or a permitted recycling facility and must be accompanied by a shipping document, called the Uniform Hazardous Waste Manifest.

You are responsible for completing the generator portion of the manifest. Directions for the distribution of the copies are on the back of the manifest. A copy will be returned to you when the facility has accepted your shipment.

If you do not receive a copy of the manifest from the receiving facility within 35 days of the date when your waste was shipped, you should contact your transporter or the operator of the facility to determine the status of your waste. If you have still not received the manifest within 45 days, you must file an Exception Report, explaining the efforts you've taken, with the DEP's Business Compliance Division and with the state where the designated facility is located.

If you are shipping hazardous waste directly to an out-of-state designated facility, you must submit a photocopy of Copy 3 to the Department within 30 days of receiving your copy from the designated facility.

Note the generator's certification statement on your manifest, which you must sign:

"If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford."

All generators must keep copies of all manifests, any records of tests and analyses done of their hazardous waste, and records of waste determinations (including any determinations that their wastes are not hazardous) for at least three years, and for the duration of any enforcement action.

The EPA Identification Number (EPA ID) (310 CMR 30.303)

As a Small Quantity Generator of Hazardous Waste, to have your waste accepted by a licensed hauler or treatment/storage facility, you will need to obtain a federal Identification Number. The Environmental Protection Agency (EPA) will assign a 12-digit number, such as **MAR999999999**, which is unique for your location. Enter this number in Block 1 on each manifest.

In order to get an EPA ID, call DEP (617-338-2255 or 1-800-462-0444, outside the 617 area code) or go to <u>http://www.mass.gov/dep/bwp/dhm/files/hwepaid.pdf</u> for an application. Mail the completed application to the office listed in the instructions. Your number will be mailed to you within a few months. While you are waiting for your ID, you can use a temporary ID beginning with the letters MP, followed by your 10-digit telephone number.

The ID number is site-specific. You are required to notify the Bureau of Waste Prevention in your DEP Regional office of any change in your address, name of company, contact person or generator status. (See listing of towns by DEP Region on the back page.)

Shipping Your Hazardous Waste (310 CMR 30.304, 30.305)

All hazardous waste must be transported in containers that are labeled with the words HAZARDOUS WASTE, the name of the waste, type of hazard (e.g., toxic, flammable), generator's name, address and EPA ID number. Refer to the container standards described on page 8.

A list of licensed transporters is now available on DEP's Website at <u>www.mass.gov/dep/</u> under the Bureau of Waste Prevention: you may also call DEP at (617) 292-55576. Transporters may assist you in preparing your waste for shipment.

Annual Compliance Assurance Fee (310 CMR 4.03)

All Small Quantity Generators of hazardous waste[•] are billed an annual compliance fee of \$645 to cover costs of the services provided by the Department. These services include, but are not limited to, notification processing, compliance inspection, compliance assistance hot line, and information services.

As a Small Quantity Generator of hazardous waste you must notify the Department if you intend to cancel or modify your registration in any way. *Any* changes to your generator status must be received by the Department before July 1 to change your annual compliance fee for the upcoming fiscal year.

[•] Small Quantity Generators of waste oil only are not subject to the fee.

HOUSEKEEPING

Accumulation Area Standards (310 CMR 30.351[8])

Your accumulation or storage area must meet the following conditions for both containers and tanks. (VSQG indicates VSQG's are also required to meet the standard.)

VSQG	• Above-ground tanks and containers must be on a surface which does not have any cracks or gaps and is impervious to the hazardous wastes being stored and on pallets if containers are stacked;
VSQG	• Area must be secured against unauthorized entry;
VSQG	• Area must be clearly marked (e.g., by a visible line or tape, or by a fence) and be separate from any points of generation;
VSQG	• Area must be posted with a sign: "HAZARDOUS WASTE" in capital letters at least one inch high;
VSQG	 An outdoor area must have secondary containment, such as a berm or dike, which will hold any spill or leaks at: 10% of the total volume of the containers, or 110% of the volume of the largest container, whichever is larger. Any spillage must be promptly removed. (In general, if the hazardous waste being stored has no free liquids, no pad or berm is required, provided that the accumulation area is sloped, or the containers are elevated.)
Standards fo	or Containers and Tanks [310 CMR 30.341(2), 30.680, 30.690]
VSQG SQG ONLY	 Each container and tank must be clearly and visibly labeled throughout the period of accumulation with the following: the words "HAZARDOUS WASTE: the name of the waste (e.g., waste oil, acetone) the type of hazard(s) (e.g., ignitable, toxic) date on which accumulation began.
VSQG	Each container must be in good condition

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- Wastes of different types must be segregated. This includes not mixing waste oil or used fuel oil with other wastes. Be careful not to put incompatible wastes in the same container or put wastes in unwashed containers that previously held incompatible wastes.
- VSQG
- VSQG

Separate containers of incompatible wastes by a berm, dike, or similar structure.

• Each container holding hazardous wastes must be tightly closed throughout the period of accumulation, except when the waste is being added or removed.

• Containers holding ignitable or reactive wastes must be at least 15 meters (50 ft.) from the property line. If this is not possible or practical, you must store such containers in compliance with all applicable local ordinances and by-laws.

• Inspect your accumulation area at least once a week for any leaking or deterioration of your containers. You must have enough aisle space between your containers to allow for inspections.



DRUMS MUST BE LABELED

Accumulation Time Limits (310 CMR 30.351[5])

As a small quantity generator (SQG), you may accumulate up to 6000 kgs (1500-1620 gallons) in containers and *tanks* for as long as 180 days. You have two upper limits - time and volume. Whichever is reached first determines the date on which you must ship your waste.

Satellite Accumulation (310 CMR 30.351[4])

Additional flexibility is offered by allowing you to accumulate up to 55 gallons of hazardous waste (per wastestream), or one quart of acutely hazardous waste, at each point where you generate your waste, if you meet the following conditions:

- The waste must be generated from a process at the location of the satellite accumulation;
- Each satellite accumulation area can have only one container for each waste stream in use at a time;
- Each satellite accumulation area must be managed by the person who is directly responsible for the process producing the waste;
- The waste must be moved to the main designated accumulation area within three days after the container is full.

Accumulation of Waste Oil in Underground Tanks (including those resting directly on the ground) [310 CMR 30.253(1)(g)]

All underground tanks must have tight caps, leak detection devices and cathodic protection with an overflow and spill prevention device by December 22, 1998.

- Tanks must have continuous leak detection capability through an in-tank monitoring device or be double-walled.
- Keep a log of all test results, beginning and ending measurements, variation and average figures, for at least 3 years.
- Report a difference of a month's average greater than 5 gallons (for tanks containing 550 gallons or less) to your DEP regional office.

EMERGENCY PREPARATION AND RESPONSE (310 CMR 30.351(9))

Equipment

To minimize the risk of fire, explosion, or release of hazardous wastes that may contaminate the environment, you are required to have on site, and immediately accessible to your hazardous waste handling area, the following (unless the hazards posed by your wastes do not require one of them):

- * an alarm or communication system which can provide emergency instruction to employees;
- * a telephone, two-way radio or other device which can summon police, fire or emergency response teams;
- * portable fire extinguishers and/or fire control equipment (e.g. foam, inert gas), and spill control/decontamination equipment;
- * adequate supply and pressure of water, automatic sprinklers or water sprays, or foamproducing equipment.

All your equipment must be periodically tested and properly maintained so it will work during an emergency.

Prepare Your Employees

You must thoroughly familiarize each of your employees with all the waste handling and emergency procedures that may be needed for each of their jobs. An employee must have immediate access to alarm or communication devices, either directly or through another employee, whenever hazardous waste is being handled. If your operation is at any time being handled by a single employee, that person must have immediate access to a telephone or two-way radio.

For easy movement of employees and emergency equipment, you must maintain adequate aisle space in the area of hazardous waste handling. Mark all exits clearly.

Notify Local Authorities

You must make every reasonable attempt to carry out the following arrangements, in regards to the waste you produce:

- * Familiarize your police department, fire department, local boards of health, and any emergency response teams with the hazardous nature of your waste; the layout of your site, including entrances and evacuation routes, and the location where your employees usually work;
- * Familiarize local hospitals with the hazards of your waste and the types of injuries that could result from any accidents;
- * Obtain agreements with emergency response teams and contractors, and local boards of health;
- * If more than one police and/or fire department might respond to an emergency, make an agreement with the department which will have primary emergency authority and specify others as support.

If such arrangements cannot be made, a copy of a signed and dated letter which demonstrates an effort to make these arrangements from you, the generator, to the state or local entity will be considered sufficient.

Emergency Coordinator

You must designate at least one employee to be on call (or on the premises) at all times. This person is the emergency coordinator and is responsible for coordinating all emergency response measures.

Emergency Response

You must have posted next to each telephone near your waste generation area the following:

- * name(s) and telephone number(s) of your emergency coordinator(s);
- * location(s) of the fire control equipment and any fire alarms;
- * telephone number of the fire department, or if there is a direct alarm system, instructions on how to use it;
- * evacuation routes, where applicable.

If any of the following emergencies occur:

Fire - attempt to extinguish the fire and/or call the fire department;

- Spill or leak contain the flow as quickly as possible and as soon as is practical, clean up the waste and any soil or other materials which may have become contaminated with waste;
- A release (spill or leak) or threat of release, fire or explosion of hazardous waste that may threaten human health or the environment
 - Call the appropriate DEP Regional Office (see page 17) and ask for Emergency Response, or the Central Boston office at (617) 556-1133 or (888) 304-1133.

and

- Call the National Response Center's 24-hour toll-free number (1-800-424-8802).

VERY SMALL QUANTITY GENERATOR (VSQG) (310 CMR 30.353)

Registration

If you generate less than 100 kgs a month of hazardous waste, and no acutely hazardous waste, you are eligible to register as a Very Small Quantity Generator (see page 5 for the generation and accumulation limits). To qualify as a Very Small Quantity Generator you must register with DEP (see page 16).

Housekeeping Requirements (see pages 8 and 9 for VSQG identified lines)

Treatment/Disposal Options

As a registered VSQG you have the following options for handling your waste:

- You may recycle or treat your waste, provided the process you describe in your registration is acceptable to DEP;
- You may transport your waste to another generator who is in compliance with the regulations and who will count your waste as part of their generation;
- You may transport your waste in your own vehicle to a licensed treatment, storage or disposal facility, or permitted recycling facility, by pre-arrangement;
- You may use a licensed transporter and a manifest form. Use of the manifest requires an ID number. (VSQG's and SQG's of waste oil use a number beginning with the letters MV followed by their 10-digit telephone number.)

Self-Transport Option

As a registered VSQG you may transport your own hazardous waste under the following conditions:

You transport only the waste that you generated on your premises;

You do not transport more than 200 kgs at one time;

VSQG (cont.)

Your waste is in containers that are:

- no larger than 55 gallons in volume
- compatible with the waste
- tightly sealed
- labeled as "HAZARDOUS WASTE"
- labeled with the name of the waste and the type of hazard
- tightly secured to the vehicle

You do not transport incompatible wastes in the same shipment;

In the event of a spill or leak of hazardous waste that may threaten human health or the environment you notify DEP or the State Police and the National Response Center, as described on page 13;

You must have a copy of your registration with DEP in the vehicle;

You must be in compliance with federal Department of Transportation (617-494-2770) and Massachusetts Department of Public Safety (978-567-3300) requirements.

Record-keeping

If you are not using a licensed transporter but are transporting your own wastes, you do not need a manifest form. You must, however, keep a record of the type and quantity, as well as the date, of the transport and treatment or disposal of your waste. You will need proof of the receipt of the waste by the facility or generator.

You must keep receipts or manifests of waste shipped and records of waste analysis for at least 3 years, or for the duration of any enforcement action by DEP.

Accumulation Limits

You may accumulate up to 1000 kgs (approximately 270 gallons or five 55 gallon drums) of hazardous waste in containers that meet the standards on pages 8-9 with no time limit.

There is no annual compliance assurance fee for Very Small Quantity Generators.

STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES

Automotive Industry

- 5013 Auto parts/supplies
- 7512 Autobody shops
- 7549 Automotive repair services
- 5511 Car dealers, new & used
- 7542 Car washes
- 7699 Engine repair
- 5541 Gasoline service stations
- 7538 General auto & truck repair
- 4231 Motor freight terminals
- 371 Motor vehicles & equipment
- 5093 Scrap & waste dealers
- 4214 Trucking & storage

Construction, Building Trades

- 2951 Asphalt paving manufacture
- 1521 Building contractor (single family)
- 7349 Building maintenance
- 1751 Carpenter, cabinetmaker
- 1731 Electrical contractor
- 8711 Engineering, architecture
- 1749 Excavating contractor
- 1752 Floor laying
- 154 General contractor (non-residential)
- 162 Heavy construction contractor
- 1721 Painting, paper hanging
- 1611 Paving contractor
- 1711 Plumbing, heating
- 1761 Roofing
- 1442 Sand & gravel

Educational Institutions

- 8221 Colleges & universities
- 8211 Elementary & secondary schools
- 8412 Museums
- 8922 Non-commercial educational scientific &
- research organizations
- 8249 Vocational schools

Food Industry (Retail)

- 5461 Bakery products
- 5451 Dairy products

Machine shops/metal fabrication

- 3362 Brass, bronze & copper castings
- 3432 Brass goods/plumbing fixtures
- 3471 Electroplating, anodizing
- 3431 Enameled iron & metal ware
- 3499 Fabricated metal products
- 344 Fabricated structural metal
- 346 Forgings & stamping
- 3429 Hardware
- 3569 Heavy equipment
- 391 Jewelry silverware, plated ware
- 3544 Job shops, tool & die
- 355 Machinery
- 3412 Metal barrels, drums
- 3398 Metal heat treating
- 3451 Screw machine products
- 3444 Sheet metal work
 - Smelting non-ferrous metals 7692 Welding 333
 - 334

Manufacturing

- 362 Electric appliances (industrial)
- 2851 Paints, varnish
- 2621 Paper mills
- 2821 Plastics, liquid resins
- 367 Printed circuit boards, semiconductor
- 243 Wood products, mill work

Medical Services

- 8021 Dentists
- 8060 Hospitals
- 8071 Medical & X-ray laboratories
- 8011 Physicians
- 8731 Research laboratories
- 074 Veterinarians

Municipal Services

9224 Fire

9221 Police

- 9229 Public works
- 4953 Refuse, landfills

Other Services

- 7623 Air conditioning repair
- 764 Antiques repair
- 8999 Art restoration
- 7231 Beauty salons
- 4493 Boat yard
- 7699 Cesspool cleaning
- 7342 Disinfecting
- 7216 Dry cleaning
- 7641 Furniture stripping
- 078 Landscaping, horticultural
- 7389 Miscellaneous business services
- 5983 Motor oil retailer
- 7512 Paint shops
- 1611 Paving contractor
- 722 Photographers
- 4311 Postal, U.S.
- 5093 Scrap & waste dealers

2731 Book publishing

226 Screenprinting

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2754 Commercial gravure 2752 Lithographic printing

2711 Newspaper publishers

7384 Photofinishing laboratories

2721 Periodical publishers 2793 Photoengraving

- 4171 Transportation (bus)
- 448 Transportation (water)

Printing Industry

7334 Blueprinting, photocopying