

March 22, 2020

Mr. Brian Churchill
State of Delaware
Division of Water Resources
Department of Natural Resources and Environmental Control
Surface Water Discharges Section
89 Kings Highway
P.O. Box 1401
Dover Delaware 19901

RE: Philadelphia Renewable Bio-Fuels facility to Delaware permit application

Dear Mr. Churchill,

As requested, please find the following additional information for Synagro's application to distribute heat dried biosolids pellets from the Philadelphia Renewable Bio-Fuels (PRB) facility.

- In the Treatment Process, Sampling Plan and Product Use; sampling section, the reference to the utilization of a NJ certified lab has been removed.
- In the Treatment Process, Sampling Plan and Product Use; Distribution and Marketing section, further details on how the product will be distributed in Delaware have been provided.
- Inclusion of Appendix A with 3 months of pellet temperature data.

If you have any questions or require additional information, please contact me via email at mthomas@synagro.com or via phone at 443-489-9061.

Sincerely,

Michelle Thomas
Senior Administrative Assistant
Administrative Assistant

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

INTRODUCTION:

Philadelphia Renewable Bio-Fuels, LLC. (PRB), a 100% owned subsidiary of Synagro Technologies, Inc., operates a Direct Drying System (DDS) biosolids to fertilizer plant in Philadelphia, PA. The Biosolids Recycling Center (BRC), formally known as Philadelphia Recycle Center, is located adjacent to the City of Philadelphia's Southwest Water Pollution Control Plant (SWWPCP) at 7800 Penrose Ferry Road. The entire site of the former BRC is 72 acres. Since the inception of the Class A Drying/Pelletizing in Feb 2012 the site lease was reduced to 9 acres. Synagro and/or its subsidiaries are now under contract to operate the facility for the Philadelphia Municipal Authority (PMA). The annual production is approximately 65,000 dry tons. Synagro markets the pelletized biosolids produced at the facility. PRB is permitted to accept, process, and distribute materials 24 hours per day, 365 days per year. Typical operation of the PRB is 7 days per week, 24 hours a day.

The PRB processes all of the sludge produced by Philadelphia's three water pollution control plants. They are the Southwest Water Pollution Control Plant (SWWPCP), the Southeast Water Pollution Control Plant (SEWPCP) and the Northeast Water Pollution Control Plant (NEWPCP). The three WPCPs are designed to treat a total average daily flow of 522 million gallons per day (MGD), a total maximum daily flow of 783 MGD, and a total peak instantaneous flow of 1.044 billion gallons per day (BGD). Each WPCP produces primary and thickened waste activated sludge. During the week, the PRB will process approximately 8 million gallons of SWWPCP sludge and 56 million gallons of NEWPCP sludge. The facility has two drying trains with a combined maximum drying capacity of 250 dry tons of fertilizer per day. Due to availability of biosolids the plant will process 1100 to 1200 dry tons per week of operation.

Southwest and Southeast Water Pollution Control Plants

The SEWPCP does not have digestion facilities, so the sludge from that facility is piped to the SWWPCP. At the SWWPCP, the SEWPCP and SWWPCP sludges are mixed together and anaerobically digested. The resulting digested liquid sludge has a total solids content of about 2%, and is pumped to storage tanks prior to delivery to PRB. After the digestion process, the sludge is referred to as SW sludge and the SE designation is no longer used. The SWWPCP sludge is transported to PRB via an underground pipeline into three storage tanks. Material is then pumped out of the storage tanks and into the cake receiving building for dewatering.

Northeast Water Pollution Control Plant

The NEWPCP utilizes treatment processes that are mostly the same as those employed at SWWPCP and SEWPCP, and the material produced there has the same general characteristics as that of the SWWPCP. At the NEWPCP, the combined primary and secondary sludges are digested together. The digested sludge has a solids content of about 2%, and is pumped to storage tanks prior to delivery to PRB. The NEWPCP sludge is transported to the PRB via two river barges travelling on the Delaware and Schuylkill Rivers. The City owns the piers at NEWPCP and PRB, and the City also owns the two barges. The loading, transportation and unloading of the barges are done by a marine towing company. The Sludge is unloaded into three storage tanks before being pumped into the cake receiving building for dewatering.

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

TREATMENT PROCESS:

The facility is designed with two separate areas; dewatering and drying. The dewatering side processes all anaerobically digested sludge from the three Water Control Plants. Polymer is added to the sludge and dewatered with ten available high-speed centrifuges. The drying facility then receives the 28 to 30% Total Solids dewatered biosolids to process through the dryer.

The dewatered biosolids are conveyed from the dewatering facility via screw conveyors to a wet cake storage bin and then further conveyed to a coater/mixing unit where they are blended with previously dried and sized biosolid pellets to obtain a total solids content of approximately 60% or higher. The conditioned biosolids are then fed to the dryer/pelletizer.

The evaporation process in the Direct Drying System actually takes place within the triple pass rotating drum. The high speed 850 degree air within the drum pushes the material through the drum until such time as it is dry enough and therefore light enough to be lifted and pneumatically conveyed out of the drum. By this process, no material is ever over-dried, which is a cause of degradation.

The drum consists of three concentric cylinders arranged so that material to be dried flows through the innermost cylinder, back through the middle cylinder and, finally, through the outer cylinder. Flights on the inner walls of the cylinders lift the material and cascade it into the hot air stream.

The triple-pass design of the drum makes most efficient use of the heat as it radiates outward. The biosolids are heated to temperatures in excess of 176 degrees F during the drying process to meet Federal and State Class A pathogen reduction regulations. The dried pellets are separated from the air stream and screened to classify size. The fines and oversized product are returned for recycling, while the material meeting size specifications is sent for cooling and storage. Acceptable fertilizer pellet size ranges from the .5mm to 3 mm. The drying facility has three 600-ton capacity storage silos with temperature indicators and a nitrogen inerting system.

All the surface drainage, leachate, condensate, vehicle wash water, precipitation and sanitary flows are returned to the Southwest Water Pollution Control Plant for processing. Drains and inlets are located in various locations throughout the PRB facility.

LABORATORIES

The laboratories listed in this plan are those used at the time this plan was prepared. Synagro may use different certified laboratories in the future.

SAMPLING

1) Pollutants (Metals/PCB's):

Digested biosolids are received at the Philadelphia Pelletizer. The biosolids contain approximately 20 percent industrial input and 80 percent residential input. There is an active pre-treatment program implemented by the City of Philadelphia. Once the biosolids pass through the drying process as

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

described above, samples are collected. A 4 oz. grab sample is collected in a plastic sample cup from the Pellet cooler inlet of each running train every three hours.

This sample (4 oz.) is placed in the designated container to form a 5 day monthly composite sample. After five days, the sample is mixed and a 16 oz. (500 ml) representative sample is collected in a plastic bottle to form the monthly composite. These samples are sealed and sent to the following certified lab:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Susan Magness
(717) 944-5541

The sample is analyzed for the following parameters:

| | |
|--------------|-------------------------------|
| EPA 6010 | Aluminum |
| EPA 7061A | Arsenic |
| EPA 6010 | Cadmium |
| EPA 6010 | Calcium |
| EPA 6010 | Chromium |
| EPA 6010 | Copper |
| EPA 6010 | Iron |
| EPA 6010 | Lead |
| EPA 6010 | Magnesium |
| EPA 6010 | Manganese |
| EPA 6010 | Molybdenum |
| EPA 6010 | Nickel |
| EPA 6010 | Potassium |
| EPA 6010 | Selenium |
| EPA 6010 | Zinc |
| EPA 6010 | Phosphorus |
| SM 2540G | Percent solids |
| SM 2540G | Percent Volatile Solids |
| Calculation | Water Soluble Nitrogen |
| SM 4500-CL | Chloride |
| SM-4500-NH3C | Total Kjeldahl Nitrogen (TKN) |
| EPA 350.2 | Ammonia-nitrogen |
| SM-4500NO3F | Nitrate-nitrogen |
| SW-9045D | pH |
| EPA 6010 | Boron |
| SW 846-7471 | Mercury |

All of the analytical methods utilized by ALS Environmental are described on the analysis results.

The laboratory results for metals must not exceed the following pollutant limits (on a dry weight and monthly average basis):

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

| | |
|------------|------------|
| Arsenic | 41 mg/kg |
| Cadmium | 39 mg/kg |
| Copper | 1500 mg/kg |
| Lead | 300 mg/kg |
| Mercury | 17 mg/kg |
| Molybdenum | 18 mg/kg |
| Nickel | 420 mg/kg |
| Selenium | 36 mg/kg |
| Zinc | 2800 mg/kg |

A sample will also be taken from this monthly five day composite to be analyzed for PCB's. This 8 oz. (250 ml) sample will be collected and put into a separate 250 ml Amber wide mouth jar with Teflon lid and sent to the following certified laboratory:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Susan Magness
(717) 944-5541

The laboratory will utilize the following analytical method:

SW846 8082A PCB's

The laboratory results for PCB's must not exceed the following regulatory limit for PCB's:

PCB's 4 mg/kg

2) Fecal Coliform (Pathogen Reduction):

The pellets at the Philadelphia Pelletizer meet Class A pathogen reduction through Title 7, 7103,134.1.5 – Class A Alternative 5. Class A Alternative 5 is met by testing the pellets during one sampling event per month (event includes 7 samples) for fecal coliform and the density of the fecal coliform in each of the seven samples of the pellets must be less than 1000 MPN/g of total solids (dry weight basis).

The samples are taken from the Pellet Cooler using a clean one-gallon plastic bucket. During the monthly sampling event, 7 samples are collected approximately 15 minutes apart. They are shipped to the laboratory for analysis at 4 degrees Celsius with a maximum transport time to the laboratory of 6 hours and then processing by the laboratory within 2 hours of receipt. The samples will be sent to the following certified lab:

ALS Environmental
301 Fulling Mill Road
Middletown PA 17057
Contact: Susan Magness
(717) 944-5541

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

The analytical method used by the laboratory is as follows:

EPA 1680

Fecal Coliform

No material is to be stored at the facility for more than 90 days. If, at any time, material is stored for more than 90 days, that material must be re-sampled and tested for fecal coliform before distribution.

3) Pellet Time and Temperature (Pathogen Reduction):

At the Philadelphia Facility a Bindicator, Model VRFII-SG, pellet temperature monitoring thermocouple is used to monitor temperature. Results are displayed at the Pre-Separator hopper on the HMI and readings are recorded every 3 hours for each operating train on the Pellet Temperature Testing Log located in the Control Room lab. The facility is equipped with thermometers, which are strategically placed within the system, to control air temperature of the air that comes in direct contact with the pellets. There is also a thermocouple in contact with the pellets at the outlet of the dryer that measures pellet temperature. These readings can be monitored through computer readouts located in the control room of the facility. If, at any time, a temperature reading is less than 80 degrees Celsius (176 degrees Fahrenheit), the valve to the storage silo is closed and the material is recycled back through the system and passes through the dryer again. The valve is re-opened when a temperature reading of 80 degrees Celsius (176 degrees Fahrenheit) or greater is recorded.

4) Percent Solids (Vector Attraction Reduction):

The percent total solids lab results from the monthly metals and fecal coliform testing program will be used to certify compliance with the Class A pathogen reduction requirements specified in Title 7, 7103,135.2 – Alternative 8, Moisture Reduction of Sewage Sludge Containing Unstabilized Solids to 90 percent or greater.

The 5 day monthly composite sample collected for metals and nutrient testing and the seven grab samples collected each month for fecal coliform testing are analyzed by laboratories certified to test Total Solids by Standard Method SM 2540G.

In addition to the above testing, on-site process monitoring percent solids testing is performed at the Philadelphia drying facility. A plastic sample cup is used to collect a 4-ounce gravity drop sample (from each running train), once every eight hours of dryer operation, at the pellet cooler inlet.

Percent solids readings from the on-site solids testing must be ≥ 90 percent. If, at any time, a solids reading is less than 90 percent, the valve to the storage silo is closed and the material is recycled back through the system and passes through the dryer again. The valve is re-opened when a solids reading of 90 percent or greater is recorded.

In the event that the percent solids results reported by the certified contracted laboratory indicate a reading is less than 90 percent for any of the samples collected during the monthly fecal coliform sampling event or the monthly 5 day composite, the percent solids results from the on-site percent solids testing will be available as confirmation that the pellets have met the required solids content of ≥ 90 percent.

Philadelphia Renewable Bio-Fuels, LLC (PRB)

Granulite Fertilizer

Treatment Process, Sampling Plan and Product Use

DISTRIBUTION AND MARKETING

Pellets produced at the Philadelphia Facility will be marketed under the trade name “Granulite”. Approval with the Delaware Department of Agriculture will be initiated once the Distribution and Marketing permit is in place. As per the Agriculture Compliance Section, registration of a product or future products derived from biosolids can not be started until the proper permit is in place. Once approved, it will be subject to the annual reporting requirements of the Department of Agriculture.

The pellets produced at the Philadelphia Facility will be sold in bulk or bags to a variety of markets including but not limited to, landscaping, construction, soil blending and agriculture. Biosolids pellets may be applied on farm fields, commercial sod farms, athletic fields, golf courses, lawns and for general landscaping. The bulk pellets will be transported in conventional bulk transport delivery equipment (sealed and covered/tarped dump trailer transport).

LABELING

A product information label will be distributed to all blenders or individuals who receive Granulite directly.

ENVIRONMENTAL AND PUBLIC PROTECTION

Typical environmental concerns associated with the beneficial use of municipal biosolids include pathogen transmission, trace metal build-up in the soil and food chain, and preservation of water quality. The product preparation and label instructions which will accompany the product minimize these concerns.

At the Philadelphia Facility, the “BB” shaped pellets produced by the drying process exit the dryers at less than 10 percent moisture after having reached a temperature in excess of 80°C to achieve PFRP heat drying requirements. The biosolids exiting the dryer meet pathogen and vector attraction reduction requirements and contain the same metals as the dewatered material. According to state and federal regulations, this material therefore poses minimal risk to human health and the environment when used according to the label instructions.

The label provides instructions and application rates based on the nitrogen content of the material. Whether used straight or blended with other fertilizer materials, the dried pellets slowly mineralize and pose minimal risk to surface or groundwater resources when used according to the label directions.

RECORD KEEPING

All reports and records are kept at the Philadelphia Renewable Bio-Fuels, LLC location or the Synagro Corporate office in Baltimore, Maryland in either electronic or paper copy format.

Appendix A

Pellet Temperature Logs



Month: November 2019 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in °F

| Date | Train 1 | | | |
|------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Friday, November 1, 2019 | 184 | 186.0 | 187 | 94.9% |
| Saturday, November 2, 2019 | 188 | 188.0 | 188 | 95.7% |
| Sunday, November 3, 2019 | 184 | 187.3 | 190 | 95.0% |
| Monday, November 4, 2019 | 183 | 186.5 | 189 | 93.3% |
| Tuesday, November 5, 2019 | 186 | 188.7 | 190 | 93.4% |
| Wednesday, November 6, 2019 | 188 | 186.6 | 192 | 94.4% |
| Thursday, November 7, 2019 | 185 | 187.0 | 190 | 94.4% |
| Friday, November 8, 2019 | 187 | 187.0 | 187 | 93.8% |
| Saturday, November 9, 2019 | 188 | 189.6 | 192 | 94.0% |
| Sunday, November 10, 2019 | 185 | 186.7 | 189 | 93.4% |
| Monday, November 11, 2019 | 182 | 186.8 | 190 | 93.2% |
| Tuesday, November 12, 2019 | 188 | 188.2 | 189 | 94.2% |
| Wednesday, November 13, 2019 | 187 | 188.2 | 189 | 94.4% |
| Thursday, November 14, 2019 | 185 | 188.2 | 190 | 94.3% |
| Friday, November 15, 2019 | 186 | 187.8 | 190 | 93.5% |
| Saturday, November 16, 2019 | 186 | 187.5 | 189 | 93.1% |
| Sunday, November 17, 2019 | 184 | 187.1 | 190 | 94.4% |
| Monday, November 18, 2019 | 188 | 188.2 | 189 | 95.1% |
| Tuesday, November 19, 2019 | 186 | 187.3 | 189 | 93.4% |
| Wednesday, November 20, 2019 | 185 | 187.3 | 188 | 93.1% |
| Thursday, November 21, 2019 | 189 | 189.0 | 189 | 93.9% |
| Friday, November 22, 2019 | 185 | 186.8 | 189 | 94.7% |
| Saturday, November 23, 2019 | 186 | 188.0 | 190 | 94.0% |
| Sunday, November 24, 2019 | 186 | 187.5 | 189 | 94.1% |
| Monday, November 25, 2019 | 187 | 187.6 | 188 | 94.4% |
| Tuesday, November 26, 2019 | 185 | 186.6 | 189 | 94.1% |
| Wednesday, November 27, 2019 | 187 | 188.2 | 190 | 94.4% |
| Thursday, November 28, 2019 | 186 | 188.0 | 189 | 94.4% |
| Friday, November 29, 2019 | 186 | 187.5 | 189 | 93.6% |
| Saturday, November 30, 2019 | 187 | 188.2 | 190 | 94.0% |
| | | | | |



Month: November 2019 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in °F

| Date | Train 2 | | | |
|------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Friday, November 1, 2019 | 180 | 186.0 | 190 | 94.0% |
| Saturday, November 2, 2019 | 185 | 186.7 | 189 | 94.7% |
| Sunday, November 3, 2019 | 186 | 187.5 | 189 | 94.3% |
| Monday, November 4, 2019 | 187 | 188.4 | 190 | 93.0% |
| Tuesday, November 5, 2019 | 180 | 185.0 | 186 | 93.8% |
| Wednesday, November 6, 2019 | 186 | 188.7 | 192 | 93.2% |
| Thursday, June 28, 1900 | 180 | 186.2 | 189 | 92.4% |
| Friday, November 8, 2019 | 188 | 189.0 | 190 | 94.6% |
| Saturday, November 9, 2019 | 183 | 187.6 | 192 | 93.3% |
| Sunday, November 10, 2019 | 181 | 185.0 | 190 | 93.5% |
| Monday, November 11, 2019 | 183 | 186.0 | 190 | 93.8% |
| Tuesday, November 12, 2019 | * | * | * | * |
| Wednesday, November 13, 2019 | * | * | * | * |
| Thursday, November 14, 2019 | * | * | * | * |
| Friday, November 15, 2019 | * | * | * | * |
| Saturday, November 16, 2019 | * | * | * | * |
| Sunday, November 17, 2019 | * | * | * | * |
| Monday, November 18, 2019 | * | * | * | * |
| Tuesday, November 19, 2019 | 185 | 187.6 | 190 | 93.4% |
| Wednesday, November 20, 2019 | 185 | 187.5 | 189 | 94.3% |
| Thursday, November 21, 2019 | 185 | 187.1 | 191 | 94.2% |
| Friday, November 22, 2019 | 185 | 185.5 | 192 | 95.3% |
| Saturday, November 23, 2019 | 187 | 187.7 | 188 | 95.1% |
| Sunday, November 24, 2019 | 187 | 187.0 | 187 | 97.0% |
| Monday, November 25, 2019 | 185 | 187.1 | 189 | 95.8% |
| Tuesday, November 26, 2019 | 184 | 186.2 | 189 | 93.6% |
| Wednesday, November 27, 2019 | 186 | 187.1 | 188 | 94.5% |
| Thursday, November 28, 2019 | 186 | 187.7 | 189 | 94.4% |
| Friday, November 29, 2019 | 186 | 187.4 | 188 | 95.0% |
| Saturday, November 30, 2019 | 185 | 187.0 | 191 | 94.3% |
| | | | | |



Month: December 2019 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in °F

| Date | Train 1 | | | |
|------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Sunday, December 1, 2019 | 186 | 188.9 | 192 | 93.8% |
| Monday, December 2, 2019 | 187 | 187.9 | 189 | 94.7% |
| Tuesday, December 3, 2019 | 186 | 187.4 | 189 | 94.5% |
| Wednesday, December 4, 2019 | 186 | 187.5 | 189 | 94.1% |
| Thursday, December 5, 2019 | 186 | 188.0 | 190 | 94.8% |
| Friday, December 6, 2019 | 186 | 188.0 | 190 | 95.0% |
| Saturday, December 7, 2019 | 186 | 187.8 | 189 | 95.0% |
| Sunday, December 8, 2019 | 185 | 187.6 | 189 | 94.4% |
| Monday, December 9, 2019 | 188 | 188.8 | 190 | 94.2% |
| Tuesday, December 10, 2019 | 187 | 188.5 | 190 | 94.9% |
| Wednesday, December 11, 2019 | 187 | 188.3 | 190 | 94.2% |
| Thursday, December 12, 2019 | 189 | 189.8 | 190 | 95.1% |
| Friday, December 13, 2019 | 189 | 189.8 | 190 | 94.6% |
| Saturday, December 14, 2019 | 187 | 188.6 | 190 | 93.5% |
| Sunday, December 15, 2019 | 188 | 189.1 | 191 | 94.9% |
| Monday, December 16, 2019 | 187 | 188.0 | 190 | 94.1% |
| Tuesday, December 17, 2019 | 188 | 189.3 | 191 | 95.6% |
| Wednesday, December 18, 2019 | 189 | 189.4 | 188 | 96.2% |
| Thursday, December 19, 2019 | 186 | 187.6 | 189 | 93.9% |
| Friday, December 20, 2019 | 186 | 187.6 | 189 | 93.1% |
| Saturday, December 21, 2019 | 186 | 188.8 | 190 | 95.2% |
| Sunday, December 22, 2019 | 188 | 189.3 | 190 | 95.3% |
| Monday, December 23, 2019 | 184 | 187.5 | 189 | 94.3% |
| Tuesday, December 24, 2019 | 188 | 188.6 | 190 | 94.9% |
| Wednesday, December 25, 2019 | 187 | 188.9 | 190 | 94.8% |
| Thursday, December 26, 2019 | 188 | 188.6 | 189 | 95.2% |
| Friday, December 27, 2019 | 187 | 188.0 | 189 | 95.1% |
| Saturday, December 28, 2019 | 184 | 188.4 | 191 | 95.2% |
| Sunday, December 29, 2019 | 186 | 188.4 | 190 | 94.9% |
| Monday, December 30, 2019 | 187 | 188.9 | 192 | 95.3% |
| Tuesday, December 31, 2019 | 187 | 189.2 | 192 | 95.1% |



Month: December 2019 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in °F

| Date | Train 2 | | | |
|------------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Sunday, December 1, 2019 | 186 | 188.2 | 193 | 93.6% |
| Monday, December 2, 2019 | 182 | 186.8 | 190 | 94.0% |
| Tuesday, December 3, 2019 | 186 | 187.5 | 190 | 94.0% |
| Wednesday, December 4, 2019 | 186 | 189.0 | 191 | 95.0% |
| Thursday, December 5, 2019 | 182 | 186.2 | 190 | 94.3% |
| Friday, December 6, 2019 | 184 | 186.4 | 188 | 94.4% |
| Saturday, December 7, 2019 | 180 | 186.1 | 189 | 93.7% |
| Sunday, December 8, 2019 | 186 | 187.6 | 189 | 94.8% |
| Monday, December 9, 2019 | 185 | 187.5 | 189 | 94.3% |
| Tuesday, December 10, 2019 | 190 | 190.0 | 190 | 94.1% |
| Wednesday, December 11, 2019 | 187 | 188.4 | 190 | 94.2% |
| Thursday, December 12, 2019 | 186 | 188.2 | 190 | 94.3% |
| Friday, December 13, 2019 | 187 | 188.3 | 190 | 94.0% |
| Saturday, December 14, 2019 | 185 | 188.5 | 190 | 92.5% |
| Sunday, December 15, 2019 | 178 | 188.1 | 190 | 94.4% |
| Monday, December 16, 2019 | 186 | 189.0 | 194 | 93.6% |
| Tuesday, December 17, 2019 | 187 | 188.4 | 190 | 94.5% |
| Wednesday, December 18, 2019 | 185 | 185.0 | 185 | 93.5% |
| Thursday, December 19, 2019 | 186 | 188.6 | 190 | 94.3% |
| Friday, December 20, 2019 | 181 | 187.2 | 190 | 93.1% |
| Saturday, December 21, 2019 | 188 | 188.6 | 190 | 94.3% |
| Sunday, December 22, 2019 | 186 | 188.3 | 190 | 94.7% |
| Monday, December 23, 2019 | 188 | 188.6 | 191 | 94.4% |
| Tuesday, December 24, 2019 | 185 | 187.6 | 189 | 94.8% |
| Wednesday, December 25, 2019 | 185 | 187.3 | 189 | 94.4% |
| Thursday, December 26, 2019 | 187 | 188.6 | 190 | 93.8% |
| Friday, December 27, 2019 | 187 | 188.3 | 189 | 93.7% |
| Saturday, December 28, 2019 | 185 | 188.0 | 192 | 93.1% |
| Sunday, December 29, 2019 | 185 | 187.9 | 190 | 93.1% |
| Monday, December 30, 2019 | 185 | 186.8 | 189 | 94.1% |
| Tuesday, December 31, 2019 | 188 | 188.9 | 190 | 95.2% |



January 2020 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in Fahrenheit.

| Train 1 | | | | |
|-----------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| Date | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Wednesday, January 1, 2020 | 186.0 | 186.5 | 187.0 | 95.1% |
| Thursday, January 2, 2020 | 187.0 | 188.1 | 190.0 | 94.4% |
| Friday, January 3, 2020 | 183.0 | 187.8 | 190.0 | 95.1% |
| Saturday, January 4, 2020 | 188.0 | 189.3 | 192.0 | 95.2% |
| Sunday, January 5, 2020 | * | * | * | * |
| Monday, January 6, 2020 | 185.0 | 187.0 | 189.0 | 93.4% |
| Tuesday, January 7, 2020 | 186.0 | 187.4 | 189.0 | 94.7% |
| Wednesday, January 8, 2020 | 185.0 | 188.0 | 190.0 | 95.8% |
| Thursday, January 9, 2020 | 186.0 | 188.1 | 190.0 | 94.4% |
| Friday, January 10, 2020 | 185.0 | 185.0 | 185.0 | 95.2% |
| Saturday, January 11, 2020 | 187.0 | 187.9 | 190.0 | 95.3% |
| Sunday, January 12, 2020 | 184.0 | 186.5 | 188.0 | 94.8% |
| Monday, January 13, 2020 | 186.0 | 187.1 | 189.0 | 94.5% |
| Tuesday, January 14, 2020 | 186.0 | 187.1 | 189.0 | 94.2% |
| Wednesday, January 15, 2020 | 188.0 | 188.3 | 189.0 | 95.3% |
| Thursday, January 16, 2020 | 186.0 | 187.1 | 188.0 | 95.1% |
| Friday, January 17, 2020 | 186.0 | 187.0 | 188.0 | 94.2% |
| Saturday, January 18, 2020 | 187.0 | 188.4 | 190.0 | 94.2% |
| Sunday, January 19, 2020 | 187.0 | 189.3 | 192.0 | 92.1% |
| Monday, January 20, 2020 | 185.0 | 187.5 | 193.0 | 94.1% |
| Tuesday, January 21, 2020 | 187.0 | 187.6 | 190.0 | 94.5% |
| Wednesday, January 22, 2020 | 183.0 | 185.8 | 188.0 | 94.0% |
| Thursday, January 23, 2020 | 186.0 | 186.7 | 188.0 | 93.9% |
| Friday, January 24, 2020 | 188.0 | 188.6 | 189.0 | 94.1% |
| Saturday, January 25, 2020 | 187.0 | 188.0 | 189.0 | 95.6% |
| Sunday, January 26, 2020 | 186.0 | 187.9 | 190.0 | 94.7% |
| Monday, January 27, 2020 | 186.0 | 186.9 | 188.0 | 94.3% |
| Tuesday, January 28, 2020 | 185.0 | 187.0 | 189.0 | 95.3% |
| Wednesday, January 29, 2020 | 185.0 | 186.6 | 188.0 | 95.3% |
| Thursday, January 30, 2020 | 186.0 | 187.1 | 189.0 | 95.0% |
| Friday, January 31, 2020 | 186.0 | 188.3 | 191.0 | 94.9% |



January 2020 Daily Pellet Log

* Did not process any Biosolids thru Dryer. All Temperatures are recorded in Fahrenheit.

| Train 2 | | | | |
|-----------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| Date | Minimum recorded temp | Average recorded temp | Maximum recorded temp | Minimum recorded solids |
| Wednesday, January 1, 2020 | 185.0 | 187.6 | 189.0 | 95.7 |
| Thursday, January 2, 2020 | 181.0 | 184.2 | 186.0 | 93.9 |
| Friday, January 3, 2020 | 184.0 | 187.1 | 189.0 | 93.6 |
| Saturday, January 4, 2020 | 185.0 | 187.9 | 190.0 | 94.4 |
| Sunday, January 5, 2020 | 186.0 | 187.4 | 190.0 | 93.8 |
| Monday, January 6, 2020 | 185.0 | 187.3 | 189.0 | 94.4 |
| Tuesday, January 7, 2020 | 185.0 | 186.3 | 188.0 | 95.1 |
| Wednesday, January 8, 2020 | 186.0 | 187.5 | 189.0 | 93.8 |
| Thursday, January 9, 2020 | 184.0 | 187.9 | 192.0 | 93.7 |
| Friday, January 10, 2020 | 187.0 | 188.8 | 190.0 | 94.6 |
| Saturday, January 11, 2020 | 180.0 | 187.1 | 193.0 | 94.2 |
| Sunday, January 12, 2020 | 183.0 | 186.3 | 190.0 | 94.3 |
| Monday, January 13, 2020 | 186.0 | 187.5 | 189.0 | 95.4 |
| Tuesday, January 14, 2020 | 186.0 | 188.0 | 189.0 | 95.4 |
| Wednesday, January 15, 2020 | * | * | * | * |
| Thursday, January 16, 2020 | 188.0 | 188.7 | 189.0 | 96.2 |
| Friday, January 17, 2020 | 185.0 | 187.4 | 189.0 | 94.1 |
| Saturday, January 18, 2020 | 185.0 | 187.6 | 192.0 | 94.1 |
| Sunday, January 19, 2020 | 186.0 | 187.9 | 190.0 | 93.8 |
| Monday, January 20, 2020 | 186.0 | 187.6 | 190.0 | 94.1 |
| Tuesday, January 21, 2020 | 186.0 | 189.1 | 191.0 | 94.8 |
| Wednesday, January 22, 2020 | 189.0 | 189.0 | 189.0 | 96.1 |
| Thursday, January 23, 2020 | 186.0 | 188.7 | 193.0 | 94.1 |
| Friday, January 24, 2020 | 186.0 | 188.4 | 190.0 | 94.5 |
| Saturday, January 25, 2020 | 185.0 | 188.3 | 190.0 | 94.9 |
| Sunday, January 26, 2020 | 187.0 | 187.5 | 188.0 | 94.7 |
| Monday, January 27, 2020 | * | * | * | * |
| Tuesday, January 28, 2020 | 0.0 | #DIV/0! | 0.0 | 0.0 |
| Wednesday, January 29, 2020 | 193.0 | 193.0 | 193.0 | 97.4 |
| Thursday, January 30, 2020 | 184.0 | 186.6 | 188.0 | 94.3 |
| Friday, January 31, 2020 | 186.0 | 188.5 | 190.0 | 93.5 |