

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER 8-4699-00012/00001
FACILITY/PROGRAM NUMBER(S) 51L05



PERMIT
Under the Environmental
Conservation Law (ECL)

EFFECTIVE DATE January 7, 2013
MODIFIED January 7, 2013
EXPIRATION DATE(S) January 6, 2018

TYPE OF PERMIT NEW RENEWAL MODIFICATION PERMIT TO CONSTRUCT PERMIT TO OPERATE

- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Article 15, Title 5:
Protection of Waters

<input type="checkbox"/> Article 15, Title 15:
Water Supply

<input type="checkbox"/> Article 15, Title 15:
Water Transport

<input type="checkbox"/> Article 15, Title 15: Long
Island Wells

<input type="checkbox"/> Article 15, Title 27:
Wild, Scenic
and Recreational
Rivers | <input type="checkbox"/> 6NYCRR 608 Water Quality
Certification

<input type="checkbox"/> Article 17, Titles 7, 8:
SPDES

<input type="checkbox"/> Article 19: Air Pollution
Control

<input type="checkbox"/> Article 23, Title 27:
Mined Land Reclamation

<input type="checkbox"/> Article 24: Freshwater
Wetlands

<input type="checkbox"/> Article 25: Tidal Wetlands | <input checked="" type="checkbox"/> Article 27, Title 7:
6NYCRR 360: Solid Waste
Management

<input type="checkbox"/> Article 27, Title 9:
6NYCRR 373: Hazardous
Waste Management

<input type="checkbox"/> Article 34: Coastal
Erosion Management

<input type="checkbox"/> Articles 1, 3, 17, 19, 27, 37:
NYCRR 380: Radiation Control

<input type="checkbox"/> Other: |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

PERMIT ISSUED TO LEO DICKSON & SONS, INC.		TELEPHONE NUMBER 607-776-7997
ADDRESS OF PERMITTEE 5226 BONNY HILL ROAD, BATH, NY 14810		
CONTACT PERSON FOR PERMITTED WORK PHILIP DICKSON		TELEPHONE NUMBER 607-776-7997
NAME AND ADDRESS OF PROJECT/FACILITY LEO DICKSON & SONS, INC. LAND APPLICATION		
LOCATION OF PROJECT/FACILITY SEE THE FIELDS AND STORAGES IDENTIFIED ON ATTACHEMENTS B AND C TO THIS PERMIT.		
COUNTY STEBEN	TOWN BATH, CAMERON & THURSTON	WATERCOURSE Water Body:
NYTM COORDINATES E: N:		
DESCRIPTION OF AUTHORIZED ACTIVITY: Storage of liquid biosolids and food processing waste, and land application of food processing waste and stabilized biosolids on agricultural fields, in accordance with the conditions of this permit. Approved waste sources, application sites and storage facilities are listed in Attachment A, Attachment B (B-1, B-2, and B-3), and Attachment C of this permit.		

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR: Kimberly A. Merchant	ADDRESS 6274 E. Avon-Lima Rd, Avon, NY 14414	
AUTHORIZED SIGNATURE 	DATE January 7, 2013	Page 1 of 28

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

GENERAL CONDITIONS**General Condition 1: Facility Inspection by the Department**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

General Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

General Condition 3: Applications for Permit Renewals or Modifications

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

The permittee must submit a renewal application at least:

- a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
- b) 30 days before expiration of all other permit types.

Submission of applications for permit renewal or modification are to be submitted to:

NYSDEC Regional Permit Administrator, Region 8,
6274 E Avon-Lima Rd, Avon, NY 14414 (585) 226-2466

General Condition 4: Permit Modifications, Suspensions and Revocations by the Department

The Department reserves the right to modify, suspend or revoke this permit in accordance with 6 NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

General Condition 5: All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application. These approved plans were prepared by: LaBella Associates, P.C. and Agricultural Engineering Services, PLLC (AES). See Special condition # 39 for a detailed list and description of these documents

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

I General Applicability

- 1) Authorization** - This permit authorizes the storage, staging, and land application, of stabilized biosolids and food processing wastes. Specifically, waste from the sources listed in Attachment A of this permit, may be land applied only to those fields listed in Attachment B, pursuant to engineering plans referenced in General Condition #5 above; and stabilized biosolids and food processing wastes may be stored in the facilities listed in Attachment C; and temporary staging of dewatered solids is allowed and must be done in such a manner as to conform with the requirements listed in special condition # 32 of this permit.

The Permittee must comply with all conditions of this permit, and 6 NYCRR Part 360. Note this facility is a concentrated animal feeding operation (CAFO); as such, the land application of manure derived waste is regulated by the SPDES (State Pollutant Discharge Elimination System) CAFO regulations and permits. Waste that is a combination of manure and food processing waste and/or biosolids is regulated by the most stringent regulation, i.e., any Special Permit Condition of this permit, Part 360 Regulation, or SPDES CAFO requirement. A summary of the waste streams and the applicable conditions appear in Attachment E.

- 2) Compliance with Other Requirements** - This approval does not relieve the Permittee from complying with all other applicable Federal, State, or local ordinances and laws.
- 3) Adverse Impact** - The Permittee shall take all steps to minimize or correct any adverse impact on human health or the environment resulting from facility operations. The Permittee shall report any such activity which may endanger human health or the environment to the DEC Region 8 Spill Engineer. Such activities include, but are not limited to uncontrolled releases of waste, leachate, or petroleum products from storage tanks, pipes, containers, vehicles and portable tanks to the soil, groundwater, or surface water. Any such information shall be reported verbally within two (2) hours from the time the Permittee becomes aware of the circumstances and followed up in writing within seven days. Telephone numbers available for reporting such activities are as follows:

REGULAR BUSINESS HOURS – 585-226-5436
TOLL FREE HOTLINE (24 hours/day) – 1-800-457-7362

- 4) Operation Controls** – This permitted facility shall be operated to control vectors and odors. (The facility's Odor Control Plan appears on pages 11 through 14 of the Leo Dickson and Son's Operation and Maintenance Report dated January 2012).

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 3 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONSFor Article 27, Title 7 (Leo Dickson & Sons, Inc.)

- 5) Non-compliance** - In the event a Department representative makes a determination that the Permittee is in non-compliance with any provision of the Environmental Conservation Law, or with any regulation promulgated thereunder or any provision of this permit or of any judicial or administrative order applicable to the facility and enforceable under the Environmental Conservation Law, the Permittee must, upon receipt of written or oral Notice of Noncompliance from the Department, promptly take such steps as are necessary to correct, abate, or remediate the non-complying condition. To the extent feasible, the Permittee must consult the Department regarding the selection and implementation of such measures. Any instance of non-compliance, together with the responsive measures and results of such measures, must be recorded in writing by the Permittee, and submitted to the Department within 48 hours of the non-compliance.
- 6) Endangered Species** - Land application must not adversely affect a threatened or endangered species or its designated critical habitat.
- 7) Complaint Handling** – All complaints received at the facility, or forwarded to the facility by Department staff, must be responded to by the end of the working day on the day the complaint is received by the facility. All actions taken by the permittee to remedy the issue must be documented and provided in writing to regional DEC staff within 48 hours. Correspondence should be addressed to the attention of Scott Foti, 585-226-2909 (fax) or by email to sjfoti@gw.dec.state.ny.us.
- 8) Amendments/Modifications** - Amendments or modifications to the engineering report, plans, specifications, or correspondence listed in General Condition #5 and Special Condition #39, must be approved in writing by the Department prior to their implementation.
- 9) DEC Addresses** - All submissions required by this permit shall be submitted in a timely manner to the Regional Materials Management Engineer, NYSDEC, 6274 East Avon-Lima Road, Avon, NY 14414 and Bureau of Waste Reduction and Recycling, NYSDEC, 625 Broadway, NY 12233.
- 10) Notification of Conditions Subject to Change** These permit conditions shall be subject to change in the event that they become inconsistent with future modifications of the rules and regulations of the New York State Department of Environmental Conservation.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 4 of 28

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

II LAND APPLICATION OPERATIONAL REQUIREMENTS:
ALL Wastes

11) Horizontal Separation - The minimum horizontal distance (in feet) from the perimeter of the land application area for all waste streams containing biosolids or food processing waste must meet or exceed the following:

Property Line	50
Residence, place of business or public contact area*	500
Potable water well	200
Surface water and State regulated wetland (for waste not directly injected)	200
Surface water and State regulated wetland (for waste directly injected)	100
Drainage swale	25

*NOTE: The landowner's or operator's residence, plant nurseries and turf farms are excluded from this requirement. This requirement does not apply to waste that is directly injected below the land surface or to lands of adjacent owners who consent to the activity within the separation distance.

12) Weather Restrictions

a) Land application is prohibited on water saturated ground or during heavy rainfall. Storage and/or disposal facilities must be available for periods during the year when waste cannot be applied.

b) LAND APPLICATION OF WASTE ON SNOW COVERED OR FROZEN GROUND

(i) Liquid Biosolids

Land application of liquid biosolids is prohibited on snow-covered or frozen ground, except by direct injection on those fields listed in Attachment B-3. Sufficient storage and/or disposal alternatives must be available for those periods when direct injection cannot be accomplished. See attachment D for direct injection performance criteria.

(ii) Dewatered Biosolids

Land application of dewatered biosolids is prohibited on snow-covered or frozen ground. For those periods when the waste cannot be incorporated sufficient reserve composting capacity and/or disposal alternatives must be available.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 5 of 28

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

(iii) Non-Recognizable Dewatered Food Processing Waste

Land application of non-recognizable dewatered food processing waste on frozen or snow-covered ground is limited to the fields listed in Attachment B-3. The surface of the field on which waste has been applied must be perforated using a tractor pulled aerator attachment by the end of the working day on which the waste is applied. Perforation of the soil is not required if the field was plowed prior to the ground freezing and the surface is furrowed at the time the waste is applied.

(iv) Liquid Food Processing Waste, and Liquid from Storage Ponds # 2, # 3, and #4.

Land application is prohibited on snow-covered or frozen ground, except by direct injection on those fields listed in Attachment B-3. Sufficient storage and/or disposal alternatives must be available for those periods when direct injection cannot be accomplished. See attachment D for direct injection performance criteria.

13) Waste Incorporation

- a) Recognizable vegetative food waste, and non-recognizable dewatered food processing waste, or any combination of the two that is land applied must be incorporated into the soil within 24 hours of land application. See Special Condition 12 for restrictions when spreading on frozen or snow covered ground.
- b) All liquid waste including biosolids, nonrecognizable food processing waste, and manure containing biosolids or food processing waste, must be land applied by direct injection, except that this requirement does not apply to liquid from the irrigation pond applied using the hard piped irrigation system. Note, on May 14, 2010 Department staff observed the land application of liquid waste by the Terra Gator Model 9105 equipped with a John Deere 1710 chisel plow attachment, and on April 12, 2012 Department staff observed a similar demonstration during which the waste was applied using the Quad Trac tractor pulling a Jamesway 8,500 Ultratrac equipped with a Jamesway Nuti-jector attachment, based on these observations, staff determined this equipment performed the direct injection that is required in Part 360-4.6 and 360-4.7. See Attachment D for additional information on this determination.
- c) Dewatered Biosolids must be incorporated into the soil within 6 hours after land application.

14) Slope Land application is prohibited on land with a slope exceeding 15 percent. Land application of waste with a total solids content of less than 15 percent is prohibited on land

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 6 of 28

SPECIAL CONDITIONS
 For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

with a slope greater than 8 percent, unless applied by subsurface injection along paths parallel to contour lines for the land.

- 15) Nutrient Uptake** - A crop must be grown each calendar year on all waste amended fields to promote nutrient uptake. The land application rate must not exceed the agronomic rate or the rate of lime addition designed to achieve a soil pH value in an acceptable range for the crop grown, whichever results in a lower rate. The application rate of the waste and all other fertilizers and /or manure must be tracked to ensure the total nutrient loading limits are not exceeded.
- 16) Soil Conservation/Agricultural Management** - Proper soil conservation practices and agricultural management practices must be used to minimize runoff and soil loss through erosion. No runoff may occur to surface water bodies or wetlands. The vegetative filter strips, referenced on page 1 of "Leo Dickson and Son's Field Spreading Maps" date January 2012 must be established by July 1, 2015. These strips must be maintained as grassy areas throughout the life of the permit.
- 17) Dikes/Berms** - The Department may require the use of dikes, berms, or other pollution protection devices or techniques on a case specific basis.
- 18) Groundwater** - Land application is prohibited in areas where groundwater is within 24 inches of the ground surface at the time of application. Sites must be assessed prior to land application.
- 19) Bedrock** - Land application is prohibited in areas where bedrock lies less than 24 inches below the ground surface.
- 20) Hydraulic Loading** - The hydraulic loading must not exceed 16,000 gallons per acre in any 24-hour period.
- 21) Soil Texture Classes** - Land application is allowed only on soils within one or more of the following soil texture classes: sandy loam, sandy clay loam, loam, silt loam, silt, sandy clay and clay loam.
- 22) Flood Plain** - Land application in a 100-year flood plain must not result in washout of the solid waste applied. Land application is prohibited in flood plain areas designated as a floodway pursuant to Part 502.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 7 of 28

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

- 23) **Water Contravention** - Land application rates and practices must not cause contravention of groundwater and surface water standards provided in Parts 700-705.

III Land Application Operational Requirements: Biosolids**24) Waste incorporation**

- a. Liquid biosolids may only be land applied by direct injection. No significant amount of biosolids may be present on the land surface within one hour after the liquid biosolids are injected.
- b. Dewatered biosolids that are land applied must be incorporated into the soil within six (6) hours of land application.

- 25) **Soil pH** For biosolids, soil pH must be adjusted to 6.5 standard units or higher prior to land application unless lime stabilized biosolids are used. If lime stabilized biosolids are used, the soil pH must be 6.5 standards units or higher after the biosolids are applied.

- 26) **Pathogen Reduction** For each biosolids source, one of the alternatives found at Part 360-4.7(b)(1) must be used to significantly reduce pathogens. Operating data from the generator of each source of biosolids must be submitted in the annual reports to demonstrate pathogen reduction has been met.

- 27) **Vector Attraction Reduction** For each biosolids source, one of the vector attraction reduction requirements found at Part 360-4.7(b)(2) must be achieved.

- 28) **Cadmium Loading** The annual cadmium application rate must not exceed 0.45 lbs/acre.

- 29) **Cumulative Loading** The cumulative metal loading limits, found in Table 5 of 360-5.10, must not be exceeded. The metal loading must not exceed 20% of the cumulative loading limit in any one year.

- 30) **Site Restrictions** The site restriction requirements found at Part 360-4.7(b)(3) must be followed. These include, but are not limited to, public access, food crops, animal grazing, and turf harvesting.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 8 of 28

SPECIAL CONDITIONS
For Article 27, Title 2 (Leo Dickson & Sons, Inc.)

IV WASTE STORAGE

31) Liquid Storage

a) Biological and physical treatment methods must be utilized in uncovered liquid storage ponds to control odors. Methods such as the T.V.T. Bioreactor in the irrigation pond and the Doda Prop Vertical Mixers in pond #2 shall be utilized from May 1 through October 31 each year.

b) All liquid storage facilities that contain biosolids, food processing waste, or a mixture of manure and any combination of biosolids and/or food processing waste, must have a minimum of two (2) feet of freeboard at all times. Liquid storage facilities that contain only manure are regulated by the SPDES CAFO requirements, as such uncovered liquid storage facilities that contain only manure must maintain a minimum of 1.0 foot plus a 25-yr, 24-hr storm event minimum freeboard (total freeboard required is approximately 16 in.). Covered liquid storage facilities that contain only manure must maintain 1.0 ft. of freeboard.

c) The concrete storage tank located at the heifer barn on Helmer Creek Road shall be completely emptied, cleaned, and inspected by a NYS licensed professional engineer annually. Region 8 DMM staff shall be notified a minimum of two weeks prior to the inspection. Any damage or deterioration revealed during the inspection shall be repaired before the tank receives any additional waste. Any repair work shall be noted in the annual report. Note, this tank is regulated by Part 360-4.10.

32) Solids Storage

- a) Overnight storage and treatment of waste solids shall occur only in areas covered by a roof or tarp.
- b) Temporary staging of dewatered food processing waste solids at satellite staging locations, such as the Windfall Road reload station, may not exceed 24 hours.
- c) De-watered biosolids shall not be stored overnight at the temporary satellite staging locations referenced in special condition #32b above ("satellite staging locations" or "staging areas"). Biosolids must be removed from satellite staging locations, such as the Windfall Road bunker, at the end of each working day.
- d) Lime or other acceptable additives must be used as needed to reduce odors.
- e) Efforts must be taken to reduce the entry of stormwater into waste at staging locations including the grading of adjacent land to direct stormwater away from the waste. No

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 9 of 28

SPECIAL CONDITIONSFor Article 27, Title 7 (Leo Dickson & Sons, Inc.)

leachate generated by water entering the waste shall be released from the staging area. Any leachate generated must be collected and land applied or disposed in a manner acceptable to the Department.

V SAMPLING REQUIREMENTS**33) Waste Sampling**

a) The frequency and parameters for sampling and analysis of biosolids shall be consistent with Part 360-5.10 Table 6 and Table 1 (Groups A & B). Pollutant concentrations for each biosolids source must not exceed those values listed in Table 4 of that section. (Note the guidance values listed in the "Maximum Concentration" column of Table 4 only applies to POTWs that test their biosolids a minimum of once per month. For all others the "Monthly average Concentration" values are to be used as the maximum allowable concentrations.) All analyses must be performed by a laboratory certified by the New York State Department of Health for the type of analysis performed. The laboratory must use methods acceptable to the department as outlined in Table 12 of Section 5.10, unless use of an alternate laboratory and/or method is authorized by the Department. Note: Variances have been previously approved for select biosolids sources regarding sampling frequency and parameters. (See Attachment D for additional information).

b.) Liquids in storage ponds #2, #3, and #4 (the irrigation pond) must be sampled and analyzed quarterly. Samples must be representative of the waste in the pond that will be land applied and shall be a composite of four grab samples taken at various locations and depths. The Samples must be analyzed for Part 360-5.10 Table 1, Group A parameters, biochemical oxygen demand (BOD), dissolved oxygen (DO) and total chlorides.

c.) Liquid and dewatered non-recognizable food processing waste streams from those sources listed in Attachment A must be sampled and tested annually for the Group A parameters found at 360-5.10 Table 1.

34) Soil Sampling Soil monitoring shall be conducted once per calendar year for the following parameters: Cd, Hg, Pb, Cu, Zn, Ni, As, Mo, Se, Cr (total), and pH. The sampling locations shall be recorded and shall be submitted with the results of the soil analyses in the Annual Report described below. A minimum of one analysis is required for every 50-acres, or fraction thereof, with each sample being a composite of at least ten (10) randomly selected sample locations at a sampling depth consistent with the depth of waste incorporation. Sampling must be coordinated to insure that each permitted field listed in attachment B, that has received regulated waste, is sampled no less than once every three years. Fields that have

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER S1L05
PROGRAM NUMBER	PAGE Page 10 of 28

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

not received regulated waste for three years or more do not require sampling. Note that the CAFO permit has additional sampling requirements for any field accepting manure.

VI REPORTING AND RECORDKEEPING

35) Recordkeeping All monitoring, recordkeeping, and reporting shall be in conformance with the requirements of Part 360, particularly 360-4.6(c) and 360-4.7(c).

In addition, each week, a report documenting the previous week's land application activities must be prepared and sent electronically via e-mail to the NYSDEC Region 8 Division of Materials Management Engineer and designated Region 8 DMM staff at sjfoti@gw.dec.state.ny.us and gmmaslan@gw.dec.state.ny.us, or at any future email addresses provided for the permittee's use by the Department. The report must be received by 4:45 pm on Monday of the following week of the activities described. If Monday is a legal holiday, the report must be received by 4:45 pm on Tuesday. Copies of the reports must be maintained at the facility office and must be available for review by Department staff upon request during normal business hours. The report must contain the following information for each day of the week.

- 1) Weather conditions for all seven (7) days for the week being reported including, high and low temperature, precipitation type and amount, and wind direction and speed.
- 2) The freeboard of all liquid waste storage structures containing the following material or any mixture of the following materials: manure, food processing waste, biosolids.
- 3) A list of all biosolids, or food processing waste received, including waste type, source, amount, and the immediate destination for the material (for example, was it immediately land applied, taken to the compost building, or was it placed in a storage lagoon?)
- 4) A list of all waste land-applied. The waste type, source, amount and field to which the waste was applied must be identified. The list must indicate how the waste was applied, and when it was incorporated into the soil.
- 5) A list of any manure imported or exported, including the source, volume and destination of the manure.
- 6) A copy of any analytical data received for biosolids or food processing waste received during the week.

36) Annual Report - The Permittee must submit an Annual Report each year covering the previous year's operations, on forms prescribed by or acceptable to the Department. Copies of the report must be submitted to the Department's Central Office and the Region 8 Office. The report is due March 1 each year and must include the following:

- a) the location of each field used for land application and the acreage used for land application;

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 11 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

- b) the crop(s) grown on each field and the timing of planting and harvesting;
- c) the total quantity of waste applied, including land application dates and quantity applied during each application of each field;
- d) calculations showing the hydraulic loading, nutrient loading, the cumulative loading, and site life (if required), for the fields used;
- e) all analytical results required by Subpart 360-4, including copies of all laboratory reports;
- f) monitoring data and information to demonstrate compliance with the pathogen and vector attraction reduction requirements of Subpart 360-4, if required;
- g) a description of all difficulties encountered during land application, all complaints arising as a result of the land application operation and the corrective actions taken;
- h) a revised management plan for land application for the next year based on previous application rates and crop planting patterns for the next year. The plan must include crops to be grown, fields to be used, schedules and methods of application and harvesting, and revised nutrient and hydraulic loading rates. All calculations must be included.
- i) for biosolids land application, the following certification statement:

"I certify, under penalty of law, that the information that will be used to determine compliance with Subpart 360-4 of 6NYCRR Part 360, has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluated this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment".

This statement must be signed by the permit holder or an authorized agent and indicate the name and title of the individual signing.

- j) A list of the fields on which the vegetative filter strips, referenced in special condition # 16, have been established.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 12 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
 For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

37) CAFO – The facility's valid State Pollutant Discharge Elimination System (SPDES) Permit for Concentrated Animal Feeding Operations states the following: "The retention and disposal of food processing wastewater is authorized only if it is specified in the Comprehensive Nutrient Management Plan." Please be advised that your Certified Nutrient Management Planner must incorporate "worst case" sampling results for subsequent calculations of field application. This information shall be available upon Department request. Note that any fields receiving manure and/or any other waste streams must fully comply with both Part 360 and CAFO permit conditions. The facility planner must include cumulative nutrient loadings from all waste streams when calculating annual application recommendations. If you have questions regarding the CAFO component of this activity, please contact Nancy Rice at 585-226-5453.

38) 6 NYCRR Part 360 Registration #51L20. On the date this permit modification becomes effective, the NYSDEC Part 360 registration submitted by Dickson's Environmental Services, Inc. for land application of non-recognizable food processing waste at facility DEC #51L20 will be considered to be terminated and of no further legal effect. Thereafter, the land application of all food processing waste at facility DEC #51L20 will be regulated by this permit.

39) Approved Documents. The following is a list of the documents referenced in General Condition #5. All activities authorized by this permit must be conducted in strict conformance with these documents, the conditions of this Permit, and the applicable Part 360 Regulations. The Special Permit Conditions shall be subject to change in the event that they become inconsistent with future modifications of the rules and regulations of the New York State Department of Environmental Conservation. In the event inconsistencies appear in the submitted documents the most recent document, as determined by date of authorship, shall be considered controlling.

- a) "Part 360 Permit Renewal Application, Prepared For Leo Dickson & Sons, Inc. Bath, New York"; Prepared by Labella Associates, P.C. Dated July 2008.
- b) "Part 360 Permit Renewal Application, Prepared For Leo Dickson & Sons, Inc. Bath, New York"; Prepared by Labella Associates, P.C. Dated December 2009, Revised October 2010. The following Appendices included in the October 2010 revision have been revised in subsequent documents: Appendix B - Process Flow Schematic, Appendix I - Odor Control Plan. The Appendix K – Sampling plan is no longer applicable; the effective sampling requirements are contained in this permit and the Part 360-4 regulations.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 13 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

- c) “Additional Technical Information 360 Permit Modification Leo Dickson and Son’s”; Prepared by Agricultural Engineering Services PLLC. (AES) Auburn NY. Dated September 2011.
- d) “Leo Dickson and Son’s Field Spreading Maps” Prepared by Agricultural Consulting Services of Rochester NY. Dated January 2012. Submitted by Agricultural Engineering Services PLLC
- e) “Leo Dickson and Son’s Operation and Maintenance Report” Prepared by Agricultural Engineering Services PLLC. (AES) Auburn, NY. Dated January 2012.
- f) “Leo Dickson and Son’s Manure System Evaluation” Operation and Maintenance Procedures Earthen storage and Concrete storage sections. Prepared by Agricultural Engineering Services (AES) PLLC. Auburn, NY, dated January 2012, except that the minimum freeboard requirement for the uncovered earthen storage lagoon containing only manure (Pond #1) is 1.0 foot plus a 25-yr, 24-hr storm event minimum freeboard (total freeboard required is approximately 16 in.). See special condition # 31b.
- g) “Leo Dickson and Son’s Heifer Facility’s In-Ground Concrete Manure Storage Evaluation ” Operation and Maintenance Procedures Section. Prepared by Agricultural Engineering Services (AES) PLLC. Auburn, NY. Dated January 2012.
- h) “Part 360 Permit Modification Variance Request, Leo Dickson and Sons, Inc., Permit #L5105”. Dated November 26, 2012.

VII ENVIRONMENTAL MONITOR**40) On-site Environmental Monitor**

- A. Leo Dickson & Sons, Inc. shall fund on-site environmental monitoring services to be performed by the Department. These monitoring services will include, but not be limited to, the following:
1. Compliance monitoring;
 2. Inspections and complaint response;
 3. Pollution prevention assurance.
- B. Funds necessary to support the monitoring services and requirements for the coming year shall be provided to the Department by Leo Dickson & Sons, Inc. on an annual basis. The sum to be provided is based on annual on-site environmental monitoring service costs of the Department for up to one quarter of a person-year of service, and is subject to annual revision. Subsequent annual payments shall be made for the duration of this

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 14 of 28



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

Permit or until the monitoring requirement no longer exists, whichever comes first.

- C. Leo Dickson & Sons, Inc. shall be billed annually for each fiscal year beginning on April 1. If this Permit is to first become effective subsequent to April 1, the initial payment may be for an amount sufficient to meet the anticipated cost of the monitoring services through the end of the current fiscal year.
- D. The Department may revise the required payment on an annual basis to include all of the Department's costs associated with the monitoring services. The annual revision may take into account such factors as inflation, salary increases, changes in operating hours and procedures, increase or decrease in the amount of monitoring necessary, and increase or decrease in the number of on-site environmental monitors and on-site environmental monitor supervision necessary. Upon written request by Leo Dickson & Sons, Inc. the Department shall provide Leo Dickson & Sons, Inc. with a written explanation of the basis for any revision or modification. If such a revision is required, the Department will notify Leo Dickson & Sons, Inc. of such a revision no later than 60 days in advance of such revision.
- E. Prior to making its annual payment, Leo Dickson & Sons, Inc. will receive, and have an opportunity to review, an annual work plan that the Department will undertake during the year.
- F. Payments are to be made in advance of the period in which they will be expended and shall be made in full within 30 days of receiving a bill from the Department. Payments shall be addressed to the address and contact person identified in the bill received from the Department.
- G. Failure to make the required payments shall be a violation of this Permit. The State reserves all rights to take appropriate action to enforce the above payment provisions

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DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 15 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
 For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT A
Approved Waste Sources

1) . Stabilized biosolids generated from the following sources may be accepted for land application contingent on meeting the requirements of Special Condition # 33(a) of this permit.

- Addison, NY. Village of: WWTP
- Bath, NY. Village of: WWTP
- Canisteo, NY Village of: WWTP
- Castile NY Village of: WWTP
- Cayuga Heights NY. Village of: WWTP
- Conesus Lake County Sewer District, NY: WWTP
- Dryden, NY Village of: WWTP
- Knoxville, PA Borough of: WWTP
- Montour Falls, NY. Village of: WWTP
- Nelson Township, PA: WWTP
- Perry, NY Village of: WWTP
- Sabinsville, PA Village of: WWTP
- Trumansburg, NY. Village of: WWTP
- Owego, NY. Town of: WWTP
- Warsaw, NY Village of: WWTP
- Watkins Glen, NY Village of: WWTP
- Waverly, NY Village of: WWTP
- Wayland, NY Village of: WWTP
- Westfield, PA Borough of : WWTP
- Whitney Point NY. Town of WWTP

Stabilized biosolids generated from the following sources may be accepted for Land application only after the department has received and reviewed a new round of analytical test results for the waste. The Testing and Analytical results must meet the requirements found in Special Conditions #33(a) of this permit.

- Alfred, NY. Village of: WWTP
- Dansville, NY. Village of: WWTP
- Dundee, NY Village of: WWTP
- Elkland Borough, PA: WWTP
- Lawrence Borough Authority, PA: WWTP
- Nunda, NY Village of: WWTP
- Portville, NY Village of: WWTP
- Hornell, NY City of : WWTP Backwash Collection Lagoon Sludge

2. Food Processing Waste Generated at:

- LePrino Foods – Waverly, PA
- Dietrichs Foods (Dairy Farmers of America) – Middlebury Center, PA
- Kraft Foods – Campbell, NY
- Kraft Foods (formerly Ecovation) – Campbell, NY
- Kraft Foods - Lowville, NY
- Quest- Kerry Bio Science in Norwich NY
- Rejected raw milk load- independent haulers- loads rejected by Kraft in Campbell

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 16 of 28

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-1
PART360 PERMITTED FIELDS

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
A 1	28.5	26.40	26.40
A 2	9	5.86	5.86
A 7	13.9	8.95	8.95
A 8	3.4	0.98	0.98
A 9	12.9	2.40	2.40
A 11	40.2	28.83	28.83
A 12	26.4	10.94	10.94
B 1	7.4	6.68	6.68
B 2	13.9	13.82	13.82
B 3	9.4	5.37	5.37
B 4	13.6	6.09	6.09
B 5	9.9	1.95	1.95
B 6	26	22.36	22.36
B 8	5.2	5.14	5.14
B 9	35.8	31.68	31.68
B 10	28.5	27.16	27.16
B 12	7.7	5.36	5.36
B 13	4.9	4.30	4.30
B 15	8.5	8.30	8.30
B 17	12.8	12.23	12.23
C 3	26.9	16.62	16.62
C 6	7.7	7.66	7.66
C 7	6	5.81	5.81
C 8	8.1	2.42	2.42
C 9	30.94	30.94	30.94
C 10A	6	4.29	4.29
C 11	5.2	4.79	4.79
C 12	2.5	1.92	1.92
C 13	5.9	5.83	5.83

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 17 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
 For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-1
PART360 PERMITTED FIELDS

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
D 1	29.2	22.82	22.82
D 2	43.8	36.97	36.97
E 1	34.5	12.73	12.73
E 3	19.5	13.72	13.72
E 4	12.5	6.16	6.16
E 5	9.3	8.80	8.80
E 6	10.5	9.42	9.42
F 1	11.9	4.93	4.93
F 2	28.1	16.06	16.06
F 3	12.9	7.72	7.72
F 7	6	4.23	4.23
F 8	7.5	6.46	6.46
F 9	7.1	6.43	6.43
F 10B	14.3	11.62	11.62
F 12	19.6	11.94	11.94
F 13	10.1	8.73	8.73
F 15	23.1	8.80	8.80
F 16	15.5	8.57	8.57
F 17	9.2	4.85	4.85
F 19	13	5.97	5.97
F 20	12.1	12.09	12.09
F 22	10	3.61	3.61
F 23	25	14.98	14.98
G 1	10.9	4.93	4.93
G 2	9.9	4.89	4.89
G 3	26.4	16.56	16.56
H 1	20.5	11.92	11.92
H 2A	7.9	1.84	1.84
H 2B	7.4	4.14	4.14

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 18 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)ATTACHMENT B-1
PART360 PERMITTED FIELDS

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
H 2C	13.2	12.49	12.49
H 3	52.2	24.03	24.03
I 1	22.8	4.86	4.86
J 1	19.7	5.16	5.16
J 2	19.3	13.26	13.26
J 3	16.6	12.30	12.30
J 4	18.2	8.55	8.55
K 1	46.3	35.52	35.52
L 1	15.9	0.82	0.82
L 2	26	14.65	14.65
M 1	5.2	0.00	0.00
M 2	11.3	9.85	9.85
M 3	12.6	10.60	10.60
M 4	10.5	8.97	8.97
M 5	29.7	23.53	23.53
N 1	22.5	15.96	15.96
O 1	18.3	12.68	12.68
P 1A	24.7	16.51	16.51
P 1B	17.7	10.46	10.46
Q 1	10.1	8.84	8.84
Q 2	21.4	20.96	20.96
Q 3	11.9	11.44	11.44
Q 5	18.9	11.40	11.40
Q 7	7.5	7.45	7.45
Q 8	9	8.94	8.94
Q 10	10.2	9.97	9.97
Q 12	8.7	5.72	5.72
Q 13	12.8	12.55	12.55
R 2	6.6	5.55	5.55

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 19 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
 For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-1
PART360 PERMITTED FIELDS

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
R 3	8.8	6.07	6.07
R 4	16.1	9.95	9.95
R 5-A	21	15.52	15.52
R 6	28.3	22.05	22.05
R 7	11.1	5.66	5.66
R 8	9.3	8.76	8.76
R 9	7.2	5.98	5.98
R 10	12.7	11.65	11.65
R 11	28	24.52	24.52
R 12-A	8	5.12	5.12
R 12-B	10	1.85	1.85
R 13	8.6	6.70	6.70
R 14	9	6.69	6.69
ST 1	25.1	22.94	22.94
ST 2	8.2	6.23	6.23
ST 3	33.3	28.10	28.10
ST 4	21.4	16.21	16.21
ST 5	25.8	24.01	24.01
ST 6	25.3	24.37	24.37
ST 7	6.9	6.00	6.00
ST 8	13.8	3.23	3.23
ST 9	5	0.18	0.18
ST 11	8	7.89	7.89
ST 12	4.8	4.42	4.42
ST 13	4.5	4.26	4.26
ST 14	2.3	1.81	1.81
ST 15	4.2	1.53	1.53
ST 16	10.1	8.65	8.65
ST 17	4.6	2.16	2.16

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 20 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-1
PART360 PERMITTED FIELDS

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
ST 18	8.9	7.08	7.08
ST 19	5.8	5.10	5.10
ST 20	6.8	2.19	2.19
U 1	16.6	15.02	15.02
U 2	15	14.74	14.74
V 2	12.2	1.12	1.12
V 3	8.1	3.12	3.12
W 1	38.3	19.79	19.79
W 4	31.5	29.73	29.73
W 9	41.1	33.75	33.75
Total	2277.44	1374.16	1374.16

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 21 of 28

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-2
PART360 PERMITTED FIELDS

**The Following Permitted Fields Are Classified As Having A Very High P Index
No Manure or Other Phosphorous Containing Waste May Be Spread On These Fields.
Note: The Very High P Index Designation May Be Removed From or Applied To Individual Fields In
The Future Dependent On Soil Analysis and NYSDEC Review and Approval.**

Field Identification number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres for Manure and Phosphorous Containing Waste
A 3	11.5	7.2 (1)	0.00
A 4	6.5	1.75	0.00
A 5N	14.8	12.91	0.00
A 5S	12.7	6.68	0.00
B 11	5.4	2.7 (1)	0.00
B 14	4.9	4.90	0.00
B 16	6.2	6.00	0.00
C 1	13.3	9.90	0.00
C 2	2.1	0.84	0.00
C 4	7.5	4.59	0.00
F 4	13.3	5.90	0.00
F 5	4.7	3.84	0.00
F 6	6.1	5.47	0.00
F 10A	15.2	10.60	0.00
F 11	21.5	12.84	0.00
F 21	28.0	23.0 (1)	0.00
H 4	13	4.5 (1)	0.00
Q 4	16.1	15.90	0.00
Q 6	13.8	13.63	0.00
Q 9	8.7	8.50	0.00
Q 11	16.7	10.10	0.00
Q 14	15.1	5.50	0.00
R 1	6.4	6.20	0.00
W 6	32	26.0 (1)	0.00
W 8	11.6	8.75 (1)	0.00

Total 307.1 218.2 0.00

(1) Denotes a NYSDEC estimate of spreadable acres bases on "Field Spreading Maps" Prepared by Agricultural Engineering Services, PLLC, dated January 2012

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 22 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT B-3
PART360 PERMITTED FIELDS

Waste Listed in Special Condition 12b, May Be Land Applied On These Fields When The Soil Of The Fields Is Snow Covered And/Or Frozen Contingent On The Restrictions Outlined In Special Condition 12b.

Field Identification Number	Total Field Acres	Spreadable Acres, For Permitted Wastes That Do NOT Contain Manure and /or Phosphorous	Spreadable Acres For Manure And Phosphorous Containing Waste	Area Of The Field With a Slope Less Than 4% On Which Land Application Is Allowed On Frozen and/or Snow Covered Ground per Special Condition 12b.
A 1	28.5	26.4	26.4	All
B 10	28.5	27.16	27.16	South
B 6	26	22.36	22.36	East
B 8	5.2	5.14	5.14	East
B 9	35.8	31.68	31.68	All
B 17	12.8	12.23	12.23	North
D 2	43.8	36.97	36.97	Center
F 20	12.1	12.09	12.09	All
*F 21	28.0	23 (1)	0.0	All
I 1	22.8	4.86	4.86	All
M 2	11.3	9.85	9.85	All
M 5	29.7	23.53	23.53	All
N 1	22.5	15.96	15.96	South
P 1A	24.7	16.51	16.51	All
R 11	28	24.52	24.52	Center
ST 4	21.4	16.21	16.21	North
V 2	12.2	1.12	1.12	Part
Total	393.3	309.59	286.59	----

(1) Denotes a NYSDEC estimate of spreadable acres bases on "Field Spreading Maps" Prepared by Agricultural Engineering Services, PLLC, dated January 2012

* This Fields Is Classified As Having A Very High P Index, No Manure or Other Phosphorous Containing Waste May Be Spread On This Field At Any Time. The Very High P Index Designation May Be Removed From This Field In The Future Dependent On Soil Analysis and NYSDEC Review and Approval.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 23 of 28



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT C

ON-SITE LIQUID WASTE STORAGE FACILITIES

1. Covered Lagoon
 Manure Only
 CAFO Regulations apply
 1,520,600 gallons capacity, 1.0 foot minimum freeboard

2. Pond #1
 Manure Only
 CAFO Regulations apply
 666,400 gallons capacity, 1.0 foot plus a 25-yr, 24-hr storm event minimum freeboard
 (total minimum freeboard required approximately 16 inches)

3. Pond #2 (Spread Pond)
 Food Waste Only
 666,400 gallons capacity, 2.0 feet minimum freeboard

4. Pond #3 (Recirculation Pond)
 Food Waste/Manure mixture
 2,206,000 gallon capacity, 2.0 feet minimum freeboard

5. Pond #4 (Irrigation Pond)
 Food Waste/Manure mixture
 3,640,000 gallon capacity, 2.0 feet minimum freeboard

6. Receiving Mix Tank (concrete storage tank)
 Food Waste Only
 71,800 gallon capacity, 2.0 feet minimum freeboard,

7. Heifer Barn concrete storage tank
 Permitted Storage Tank:
 Part 360-4.10 Regulations apply
 Liquid Biosolids, Manure, Liquid Food Processing Waste, or mixture of the three.
 53,100 gallon storage capacity, 2.0 feet minimum freeboard

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 24 of 28

SPECIAL CONDITIONS
For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT D
PERFORMANCE DETERMINATIONS, BIOSOLIDS ANALYTICAL TESTING
REQUIREMENTS, AND VARIANCES

PERFORMANCE DETERMINATION

Leo Dickson and Son's

Land application of liquid waste, using the Terra Gator 9105 fitted with a John Deere 1710 chisel plow attachment, or land application of liquid using the Quad Trac tractor pulling a Jamesway Ultratrac fitted with a Jamesway Nuti-jector attachment perform the direct injection that is required in Part 360-4.6 and 360-4.7. These determinations was made on May 14, 2010, and April 12, 2012 by NYSDEC Staff from the Division of Materials Management (DMM) after staff from DMM, Division of Water, and the Division of Environmental Permits (May 14, 2010 only), observed the land application of liquid waste by this equipment.

The performance requirement for Direct Injection as it applies to the application of liquid waste for the purposes of this permit is: A single piece of machinery, with or without attachments, that in a single pass both dispenses the liquid and places it below the surface of the ground, such that no significant amount of liquid waste is present on the land surface within 1 hour after application.

BIOSOLIDS ANALYTICAL TESTING REQUIREMENTS

To achieve consistency with US EPA the Department has discontinued requiring biosolids destined for land application be analyzed for Part 360-5.10 Table 1, Group C Extended Parameters.

VARIANCES

Leo Dickson and Son's Inc.

December 18, 2012

NYSDEC Memo; Salvatore Ervolina, Director Division of Materials Management to Scott Foti Regional Materials Management Engineer, Region 8

The surface impoundments located immediately south and east of the compost building exempted from the requirements of 360-4.10 (a), (f), (g), (i), (k), (l), and (n).

Leo Dickson and Son's

April 29, 1996

NYSDEC Memo J. Willson to Dixon Rollins

Allows land application of Biosolids with copper concentrations less than or equal to 1500 ppm dry weight. Note in 2003 NYSDEC Part 360-4 regulations were updated, the allowable concentration of copper was changed from 1000 ppm to 1500 ppm.

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 25 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

ATTACHMENT D**PERFORMANCE DETERMINATIONS, BIOSOLIDS ANALYTICAL TESTING
REQUIREMENTS, AND VARIANCES****VARIANCES** continued

The Following Publicly Owned water treatment facilities (POTWs) have been granted variances. Biosolids from these sources are authorized to be land applied at the Dickson facility.

Village of Watkins Glen

August 16, 2010

Addressed to David Burt, WWTP Manager

Sampling events required reduced from four to two events per year. Test for Group A and B parameters only, no group C required.

Village of Montour Falls

August 20, 2007

Addressed to John D. Raplee, WWTP Operator

Sampling events required reduced from four to two events per year. Test for Group A and B parameters only, no group C required.

Village of Dryden

August 13, 2007

Addressed to Max Goehner, WWTP Operator

Elimination of Group C Parameters from Biosolids Testing Requirement:

Borough of Westfield

February 22, 2007

Addressed to Phil Dickson, Leo Dickson and Son's

Sampling events required reduced from four to two event per year. Test for Group A and B parameters only, no group C required.

Villages of Alfred, Canisteo, Nunda, Montour Falls, Watkins Glen, and Borough of Westfield:

January 6, 2004

Addressed to James McIntosh PE, Labella Associates PC

Elimination of Group C Parameters from Biosolids Testing Requirement:

Village of Bath

January 6, 2004

Addressed to James McIntosh PE Labella Associates PC

DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 26 of 28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27, Title 7 (Leo Dickson & Sons, Inc.)

Sampling event required reduced from six to four times per year. All four events test for Group A and B parameters. One of four events test for Group C.

Village of Warsaw

February 24, 2000

NYSDEC Memo S. Hamond to D. David

Sampling events required reduced from six to four events per year.

Village of Alfred

June 17, 1998

NYSDEC Memo S. Hamond to D. David

Eliminate requirement to test Biosolids for total PCBs

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DEC PERMIT NUMBER 8-4699-00012/00001	FACILITY ID NUMBER 51L05
PROGRAM NUMBER	PAGE Page 27 of 28

ATTACHMENT E

Waste Streams, Incorporation, Setback and Sampling Requirements Summary

Waste Stream	Sources	Subsequent Destinations	Incorporation Requirements	Setback Requirements	Waste Stream Sampling	Loading and Other
1) Manure Only	Main Barn Pond	Direct to cropland or Manure Reception/ Separation Storage, then Covered Lagoon	NONE	Potable well: 100' Surface Water (SW) or Wetland: 200' (Also refer to CAFO Permit and NRCS standards.)	Annually from all sources including covered lagoon and Pond No. 1	None to be spread on fields with very high P-index (red shaded on maps)
	Heifer Barn In Ground Storage	Direct to cropland or Manure Reception Separation Storage, then Covered Lagoon				
	Covered Lagoon	Pond No. 1 or cropland				
	Pond No. 1	Pond No. 3 or Cropland				
	Bedded Pack in Hoppers	Windrow Compost				
2) Liquid Food Waste Only	Receiving Mix Tank	Pond No. 2	Direct Injection or the equivalent	Drainage Swale: 25' Property Line: 50' Potable well: 200' SW or Wetland: 200' Residence: 500'	One sample annually for each waste stream at source. One sample Quarterly from Pond No. 2 Group A parameters See special condition #33 for details	No Phosphorous containing waste to be spread on fields with very high P-index.
	Pond No. 2	To Cropland (or to Pond No. 3)				
	Direct Tanker to Cropland					
3) Solid Food Processing Waste Only	Windfall Road Reload Station & Other Satellite Temporary Storage Locations	To Cropland	Incorporated within 24 HOURS	Same as in 2) above	One sample annually for each waste stream. Group A parameters. See special Condition #33 for details	No Phosphorous containing waste to be spread on fields with very high P-index.
4) Food Waste and Manure Blend	Pond No. 3	To Cropland Or the Irrigation Pond	Direct Injection or the equivalent	Same as in 2) above	One sample quarterly @ Pond No.3 Group A parameters. See special condition #33 for details	None to be spread on fields with very high P-index (shaded red)
5) Food Waste and Manure and Bunk Leachate	Irrigation Pond	Direct to Cropland by Irrigation Reel or indirectly to cropland via pond #3	NO incorporation requirements if on hay fields	Same as in 2) above	One sample quarterly @ Irrigation pond. Group A parameters. See special condition #33 for details.	None to be spread on fields with very high P-index (shaded red)
6) WWTP Solids (aka: Bio-Solid Sludges)	Windfall Road Reload Station and Other Satellite Temporary Storage Locations	To Cropland	Incorporation into soil within 6 HOURS after application.	Same as in 2) above	Number of samples required for an individual POTW annually. Dependent on the number of dry tons the POTW sends to the Dickson Facility per year > 1000 ton 12 200 to 1000 ton 6 25 to 199 ton 4 < 25 ton 2 Samples must be analyzed for both Groups A & Group B . parameters	Some WWTP Solids are put into the Compost Facility No Phosphorous containing waste to be spread on fields with very high P-index.
7) Liquid food processing waste liquid biosolids and/ or manure	Heifer Barn Concrete In-ground Storage	To Cropland	Direct Injection or the equivalent	Same as in 2) above	Data required for each POTW is the same as item 6 above	WWTP Liquids get mixed with manure and liquid food waste in the heifer barn storage tank