

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                                                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                               | Specific Requirement of Subpart                                                          | Location                                           | Governing Agency | Area(s) of Influence within the Biosolids Value Chain               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|---------------------------------------------------------------------|
| Federal                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                          |                                                    |                  |                                                                     |
| <b>CFR Title 40 Part 503</b><br>General requirements for Biosolids Land Application including Pathogen Reduction, Vector Attraction and Site Restrictions. | <b>Standards for Use and Disposal of Sewage Sludge specifically applied to the Louisville Green Management System</b>                                                                                                                                                                                                                                                                                                     |                                                                                          |                                                    |                  |                                                                     |
| <b>Subpart A 503.1 – 503.9</b>                                                                                                                             | <b>General Provisions</b><br>503.1(a)(1)(2)(b)(2) - Purpose and Applicability<br>503.2(c) - Compliance Period<br>503.3(a)(1) - Permits and Direct Enforceability<br>503.4 - Regulations to other Regulations<br>503.5(a)(b) - Additional or more stringent requirements<br>503.7 - Requirement for a person who prepares sewage sludge.<br>503.8(a)(b)(2)(7) - Sampling and Analysis<br>503.9(a-bb) - General Definitions | None                                                                                     | <a href="#">eCFR — Code of Federal Regulations</a> | US EPA           | Solids Conditioning and Stabilization<br>Biosolids Use and Disposal |
| <b>Subpart B 503.10 - 503.18</b>                                                                                                                           | <b>Land Application</b><br>503.10(a)(e)(b)(1)(2) - Applicability<br>503.11 (a-n) - Special Definitions<br>503.13 (a)(1)(2)(ii)(3)(4)(i) - Pollutant Limits<br>503.15(a)(1)(2)(3)(c)(1)(2)(3) - Operational Standards – Pathogens and Vector Attraction Reduction<br>503.16 (a)(2) - Frequency of Monitoring<br>503.17<br>503.18(a)(1) - Reporting                                                                         | 503.16 Frequency of Monitoring is one time per month                                     |                                                    |                  |                                                                     |
| <b>Subpart D 503.30 – 503.33</b>                                                                                                                           | <b>Pathogen and Vector Attraction Reduction</b><br>503.30(a)(d) - Scope<br>503.31(a-l) - Special Definitions<br>503.32(a)(1)(2)(7)(i)(ii) - Pathogens<br>503.33(a)(1)(2)(3)(b)(7) - Vector Attraction Reduction                                                                                                                                                                                                           | 503.32 Pathogen Alternate 5:<br>Appendix B PFRP (2)<br>503.33 Vector Attraction Option 7 |                                                    |                  |                                                                     |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Specific Requirement of Subpart | Location                                           | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|------------------|-------------------------------------------------------|
| Federal                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |                                                    |                  |                                                       |
| CFR Title 40 Part 122<br>General Requirements for the NPDES Permitting Process | EPA Administered Permit Programs: The National Pollutant Discharge Elimination System specifically applied to the Louisville Green Management System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                    |                  |                                                       |
| Subpart A 122.1 – 122.7                                                        | <b>Definitions and General Program Requirements</b><br>122.1(a)(1)(2)(3)(4)(5)(a)(b)(2)(3) - Purpose and Scope<br>122.2 – Definitions<br>122.4(a)(b)(c)(d)(e)(f)(g)(h)(1)(2)(i)(1)(2) - Prohibitions<br>122.5(a)(1)(2)(b)(c) – Effect of a Permit<br>122.6(a)(1)(2)(b)(c)(1)(2)(3)(4)(d) – Continuation of expiring permits<br>122.7(a)(b)(1)(2)(c) – Confidentiality of Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | None                            | <a href="#">eCFR — Code of Federal Regulations</a> | US EPA           | Wastewater Treatment and Solids Separation            |
| Subpart B 122.21 – 123.35                                                      | <b>Permit Application and Special NPDES Program Requirements</b><br>122.1 (a)(1)(2)(B)(ii)(iii)(iv)(b)(c)(d)(1)(j)(1)(i)(ii)(iii)(A)(C)(F)(I)(iv)(v)(vii)(viii)(A)(2)(i)(ii)(A)(B)(D)(E)(F)(iii)(B)(iv)(A)(B)(C)(1)(2)(3)(4)(D)(3)(i)(A)(B)(C)(D)(E)(F)(1)(2)(3)(4)(G)(ii)(A)(B)(C)(D)(iii)(A)(1)(2)(3)(4)(5)(B)(4)(i)(ii)(iii)(iv)(A)(B)(C)(v)(vi)(vii)(viii)(ix)(A)(B)(C)(D)(x)(5)(i)(ii)(A)(B)(C)(D)(x)(5)(i)(iii)(A)(B)(C)(1)(2)(3)(4)(5)(iv)(A)(B)(v)(A)(B)(C)(vi)(vii)(ix)(x)(6)(i)(ii)(A)(B)(C)(D)(E)(F)(G)(iii)(A)(B)(7)(i)(A)(B)(ii)(A)(B)(C)(iii)(8)(i)(A)(1)(2)(3)(B)(1)(2)(3)(4)(5)(ii)(A)(1)(2)(3)(4)(5)(i)(ii)(iii)(iv)(v)(6)(B)(1)(2)(3)(4)(C)(1)(2)(3)(D)(9)(10)(n)(3)(o)(1)(2)(p) – Application for a Permit<br>122.22(a)(3)((b)(1)(2)(3)(c)(d) – Signatories to permit applications and reports                                                                          | None                            |                                                    |                  |                                                       |
| Subpart C 122.41 -122.50                                                       | <b>Permit Conditions</b><br>122.41(a)(1)(2)(3)(b)(c)(d)(e)(f)(g)(h)(i)(1)(2)(3)(4)(j)(1)(2)(3)(i)(ii)(iii)(iv)(v)(vi)(4)(5)(k)(1)(2)(l)(i)(ii)(iii)(2)(3)(4)(i)(ii)(iii)(5)(6)(i)(ii)(A)(B)(C)(iii)(7)(8)(m)(1)(i)(ii)(2)(3)(i)(ii)(4)(i)(A)(B)(C)(ii)(n)(1)(2)(3)(i)(ii)(iii)(iv)(4) – Conditions applicable to all permits<br>122.42(1)(2)(3) – Additional conditions applicable to specified categories of NPDES permits<br>122.43(a)(b)(1)(2) – Establishing permit conditions<br>122.44(a)(1)(2)(i)(ii)(iii)(iv)(v)(b)(1)(2)(c)(d)(1)(i)(ii)(iii)(iv)(v)(vi)(A)(B)(C)((1)(2)(3)(4)(vii)(A)(B)(2)(3)(4)(5)(6)(7)(8)(9)(e)(1)(2)(i)(ii)(f)(g)(h)(i)(1)(i)(ii)(iii)(iv)(2)(5)(j)(1)(2)(i)(ii)(l)(1)(2)(i)(A)(B)(1)(2)(C)(D)(E)(ii)(n)(o) – Establishing limitations, standards, and other permit conditions<br>122.45(a)(b)(2)(i)(ii)(A)(1)(c)(1)(2)(3)(d)(1)(2)(f)(1)(i)(ii)(iii)(2)(i) | None                            |                                                    |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
| Subpart D 122.61 – 122.64 | <b>Transfer, Modification, Revocation and Reissuance, and Termination of Permits</b><br>122.61(a)(b) – Transfer, Modification, Revocation and Reissuance, and Termination of Permits<br>122.62(a)(1)(2)(3)(i)(A)(B)(C)(ii)((iii)(4)(5)(6)(7)(8)(i)(ii)(9)(10)(11)(12)(13)(15)(16)(17)(18)(b)(1)(2) – Modification or revocation and reissuance of permits<br>122.63(a)(b)(c)(d)(g) – Minor modifications of permits<br>122.64(a)(1)(2)(3)(4)(b) – Termination of permits | None                            |          |                  |                                                       |

| Regulation                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Specific Requirement of Subpart | Location                                           | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|------------------|-------------------------------------------------------|
| <b>Federal</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                    |                  |                                                       |
| <b>CFR Title 40 Part 403</b><br>Pretreatment Streamlining Rule | <b>General Pretreatment Regulations for Existing and New Sources of Pollution</b><br><b>Specifically applied to the Louisville Green Management System</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |                                                    |                  |                                                       |
| 403.1 – 403.18                                                 | 403.1(a)(b)(1)(2)(3)(4) – Purpose and applicability<br>403.2(1)(b)(c) – Objectives of general pretreatment regulations<br>403.3 Definitions<br>403.4 State or local law<br>403.5(a)(1)(2)(i)(ii)(B)(b)(1)(2)(3)(4)(5)(6)(7)(8)(c)(1)(2)(3)(4)(5)(d)(e) – National Pretreatment standards: Prohibited discharges<br>403.6(a)(1)(2)(i)(ii)(3)(4)(i)(ii)(iii)(iv)(5)(b)(c)(1)(2)(3)(4)(5)(i)(A)(B)(C)(D)(E)(ii)(A)(B)(C)(D)(iii)(A)(B)(C)(iv)(6)(7)<br>(8)(9)(d)(e)(1)(i)(1)(2)(3)(4)(2)(3)(4) National pretreatment standards: Categorical standards<br>403.7(a)(i)(ii)(2)(3)(i)(ii)(iii)(iv)(A)(B)(C)(v)(b)(2)(i)(ii)(iii)(B)(1)(2)(C)(iv)(v)(vi)(c)(d)(1)(2)(3)(i)(ii)(iii)(4)(5)(6)(e)(1)(2)(3)(4)(i)(ii)(iii)(iv)(v)(vi)(5)(6)(7)(f)(1)(2)(3)(4)(i)(A)(B)(ii)(iii)(g)(h)(1)(i)(ii)(iii)(2)(i)(ii) - Removal Credits<br>403.8(a)(b)(c)(d)(e)(1)(2)(3)(4)(5)(6)(f)(1)(i)(ii)(iii)(A)(1)(i)(ii)(iii)(iv)(v)(2)(B)(1)(2)(3)(4)(5)(6)(iv)(v)(vi)(A)(B)(vii)(2)(i)(ii)(iii)(iv)(v)(A)(B)(C)(vi)(A)(B)(C)(D)((vii)(viii)(A)(B)(C)(D)(E)(F)(G)(H)(3)(4)(5)(i)(ii)(iii)(iv)(6)(g) –Pretreatment Program Requirements: Development and Implementation by POTW | None                            | <a href="#">eCFR — Code of Federal Regulations</a> | US EPA           | Collection and Pretreatment                           |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>403.9(a)(b)(1)(i)(ii)(iii)(2)(3)(4)(c)(1)(2)(3)(d)(e)(1)(2)(f)(g)(1)(2)</b> – POTW Pretreatment programs and/or authorization to revise pretreatment standards: Submission for approval</p> <p><b>403.10(a)(c)(e)(f)(1)(i)(ii)(iii)(iv)(v)(vi)(vii)(2)(i)(ii)(iii)(iv)(A)(B)(v)(vi)(vii)(3)(g)(1)(i)(ii)(iii)(2)(3)(h)(1)(2)(i)</b> – Development and submission of NPDES State pretreatment programs</p> <p><b>403.11(a)(b)(1)(i)(A)(B)(ii)(iii)(2)(i)(ii)(iii)(c)(d)(e)(f)</b> – Approval procedures for POTW pretreatment programs and POTW granting of removal credits</p> <p><b>403.12(b)(1)(2)(3)(4)(i)(ii)(5)(ii)(iii)(iv)(v)(vi)(6)(7)(i)(ii)(c)(1)(2)(d)(e)(1)(2)(i)(ii)(iii)(iv)(v)(vi)(vii)(3)(i)(A)(B)(C)(ii)(iii)(iv)(v)(4)(f)(g)(1)(2)(i)(ii)(3)(4)(5)(6)(h)(i)(1)(2)(3)(4)(5)(j)(k)(1)(2)(3)(l)(1)(i)(ii)(2)(3)(i)(ii)(iii)(4)(m)(n)(1)(2)(3)(o)(1)(i)(ii)(iii)(iv)(2)(3)(p)(1)(2)(3)(4)(q)(r)</b> - Reporting Requirements for POTW’s and industrial users</p> <p><b>403.13(a)(b)(c)(1)(i)(ii)(iii)(2)(i)(ii)(iii)(iv)(A)(B)(3)(i)(ii)(A)(B)(d)(1)(2)(3)(4)(5)(6)(e)(1)(2)(3)(4)(f)(g)(1)(2)(3)(h)(1)(2)(3)(4)(5)(6)(7)(8)(9)(i)(j)(1)(i)(ii)(iii)(2)(3)(k)(1)(2)(l)(1)(2)(i)(ii)(A)(B)(C)(D)(iii)(iv)(m)(1)(2)</b> – Variances from categorical pretreatment standards for fundamentally different</p> <p><b>403.14(a)(b)(c)</b> – Confidentiality</p> <p><b>403.15(a)(b)(i)(ii)(2)(3)(4)</b> – Net/Gross Calculation</p> <p><b>403.16(a)(b)(c)(1)(2)(3)(i)(ii)(iii)(d)(e)(f)</b> – Upset Provision</p> <p><b>403.17(a)(1)(2)(b)(c)(1)(2)(d)(1)(i)(ii)(iii)(2)</b> – Bypass</p> <p><b>403.18(a)(b)(1)(2)(3)(4)(5)(6)(7)(c)(1)(2)(3)(4)(d)(1)(2)(3)(e)</b> – Modification of POTW Pretreatment programs</p> |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                | Description                                                                                                                                                                                                                                                                                                                                                                                                           | Specific Requirement of Subpart                      | Location                                           | Governing Agency | Area(s) of Influence within the Biosolids Value Chain         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------------|---------------------------------------------------------------|
| Federal                   |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                      |                                                    |                  |                                                               |
| CFR Title 40 Part 261     | Identification and Listing of Hazardous Waste Specifically to the Louisville Green Management System                                                                                                                                                                                                                                                                                                                  |                                                      |                                                    |                  |                                                               |
| Subpart A 261.1 – 261.9   | <b>General</b><br>261.1(a)(1)(2)(3)(4)(b)(1)(2)(i)(ii)(c)(1)(2)(3)(4)(5)(i)(ii)(6)(7)(8)(9)(10)(11)(12) – Purpose and Scope<br>261.2(a)(1)(2)(i)(A)(B)(C)(D)(ii)(b)(1)(2)(3)(c)(1)(A)(B)(ii)(2)(A)(B)(ii)(3)(4)(d)(1)(2)(i)(ii)(iii)(3)(i)(A)(B)(ii)(e)(i)(ii)(iii)(2)(i)(ii)(iii)(iv)(f) – Definition of Solid Waste<br>261.3(a)(1)(2)(i)(ii)(iv) – Definition of hazardous waste<br>261.4(a)(1)(i)(ii) - Exclusions | Table 1 Sludge’s listed in 40 CFR Part 261.31 or .32 | <a href="#">eCFR — Code of Federal Regulations</a> | US EPA           | Collection and Pretreatment<br><br>Biosolids Use and Disposal |
| Subpart B 261.10-261.11   | <b>Criteria for Identifying the Characteristics of Hazardous Waste and for Listing Hazardous Waste</b><br>261.10(a)(1)(i)(ii)(2)(i)(ii) – Criteria for identifying the characteristics of hazardous waste<br>261.11(a)(1) – Criteria for listing hazardous waste                                                                                                                                                      | None                                                 |                                                    |                  |                                                               |
| Subpart C 261.20 – 261.24 | 261.20(a)(b)(c) – General<br>261.21(a)(2)(b) – Characteristic of Ignitability<br>261.22(a)(b) – Characteristic of corrosivity<br>261.23(a)(b) – Characteristic of reactivity<br>261.24(a)(b) – Toxicity characteristic                                                                                                                                                                                                | None                                                 |                                                    |                  |                                                               |
| Subpart D 261.30 – 261.35 | 261.30(a) - General                                                                                                                                                                                                                                                                                                                                                                                                   | None                                                 |                                                    |                  |                                                               |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Specific Requirement of Subpart | Location                                           | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|------------------|-------------------------------------------------------|
| Federal               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                                                    |                  |                                                       |
| CFR Title 40 Part 136 | Guidelines Establishing Test Procedures for the Analysis of Pollutants Specifically to the Louisville Green Management System                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |                                                    |                  |                                                       |
| 136.1-136.7           | 136.1(a)(1)(2)(3)(b) – Applicability<br>136.2(a-f) – Definitions<br>136.3(a) – Identification of test procedures<br>136.4(a)(1)(2)(3)(4)((b)(c)(1)(2)(3)(4)(5) – Application for and approval of alternate test procedures for nationwide use<br>136.59(a)(b)(c)(1)(2)(3)(4)(5)(d)(1)(2) – Approval of alternate test procedure for limited use<br>136.6(a)(1)(2)(3)(4)(5)(6)(b)(1)(2)(i)(A)(B)(C)(D)(ii)(3)(4)(i)(ii)(iii)(iv)(v)(vi)(vii)(viii)(ix)(x)(A)(B)(C)(xi)(xii)(xiii)(xiv)(xv)(xvi)(A)(B)(C)(D)(E)(F)(xvii)(xviii)(xix)(xx)(xxi)(xxii) – Quality assurance and quality control | None                            | <a href="#">eCFR — Code of Federal Regulations</a> | US EPA           | Collection and Pretreatment                           |

| Regulation                          | Description                                                                                                             | Specific Requirement of Subpart | Location                                                                                                                | Governing Agency   | Area(s) of Influence within the Biosolids Value Chain    |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|
| State                               |                                                                                                                         |                                 |                                                                                                                         |                    |                                                          |
| KRS 224<br>Environmental Protection | Kentucky Revised Statutes<br>Kentucky Permit Requirements specifically for the Louisville Green Management System.      |                                 |                                                                                                                         |                    |                                                          |
| KRS 224.50-760                      | 224.50-760(1)(a)(b)(c)(d) - Special Wastes – Exemptions from KRS 244.46-510 and 224.46-520 -- Permit -- Notice -Hearing | None                            | <a href="http://www.lrc.ky.gov/Statutes/statute.aspx?id=10471">http://www.lrc.ky.gov/Statutes/statute.aspx?id=10471</a> | Commonwealth of KY | Solids Storage and Loading<br>Biosolids Use and Disposal |



# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13  
Form Approved By: 

| Regulation                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specific Requirement of Subpart  | Location                                                                                                                                                                       | Governing Agency   | Area(s) of Influence within the Biosolids Value Chain |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------|
| State                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                                                                                                                                                                |                    |                                                       |
| 401 KAR 45<br>Waste Management/Special Waste | Kentucky Administrative Regulations<br>Kentucky Land Application Permit Specific to the Louisville Green Management System                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                |                    |                                                       |
| 401 KAR 45:070                               | <b>Special Waste Registered Permit by Rule</b><br>Section 1: (1)(a)(b)(c)(2) – Registered Permit by Rule<br>Section 2: (1)(a)(b)(c)(2)(3)(4) – Registration Procedure for Registered Permit by Rule<br>Section 3: (1)(a)(b)(2)(3) – Operation During a Registered Permit by Rule<br>Section 4: (1)(2)(3)(4)(5)(6) – Changes to Registered Permit by Rule<br>Section 5: Noncompliance<br>Section 6: (1)(a)(b)(c)(2) - Incorporation by Reference | None                             | <a href="#">..\Permit Applications and Regulations\Kentucky Permit and License\Permit Application and Permit Issuance\DWM Land Application Permit - issued Jan 22 2012.pdf</a> | Commonwealth of KY | Biosolids Use and Disposal                            |
| 401 KAR 45:100                               | <b>Landfarming and Composting of Special Waste</b><br>Section 6 (20)(a)(b) – Operating Requirements for Special Waste Landfarming Facilities<br>Section 8: (1)(a)(b)(c)(d)(2)(3) – Sludge Giveaway Program<br>Section 10: (1)(a)(b2)(c) – Use of Composted and Treated Special Waste                                                                                                                                                            | Required samples per year:<br>12 |                                                                                                                                                                                |                    |                                                       |
| 401 KAR 30:031                               | <b>Environmental Performance Standards</b><br>Section 2 – Floodplains<br>Section 4: (1)(2) -- Surface Waters<br>Section 5: Groundwater                                                                                                                                                                                                                                                                                                          | None                             |                                                                                                                                                                                |                    |                                                       |
| 401 KAR 30:020                               | <b>General Provisions</b><br>Section 2: (1) - Variance                                                                                                                                                                                                                                                                                                                                                                                          | None                             |                                                                                                                                                                                |                    |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13  
Form Approved By: 

| Regulation                            | Description                                                                                                                   | Specific Requirement of Subpart | Location | Governing Agency   | Area(s) of Influence within the Biosolids Value Chain |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|--------------------|-------------------------------------------------------|
| State                                 |                                                                                                                               |                                 |          |                    |                                                       |
| 12 KAR Agriculture Experiment Station | Kentucky Administrative Regulations<br>Kentucky Fertilizer Regulations specifically to the Louisville Green Management System |                                 |          |                    |                                                       |
| 12 KAR 4:080                          | Necessity, Function and Conformity<br>Section 1<br>Section 2                                                                  | None                            | TITLE 12 | Commonwealth of KY | Biosolids Use and Disposal                            |
| 12 KAR 4:090                          | Guaranteed Analysis<br>Section 1: (1)(2)(3)<br>Section 2: (1)(2)(3)(4)(5)                                                     | None                            |          |                    |                                                       |
| 12 KAR 4:100                          | Slowly Released Nutrients<br>Section 1<br>Section 2: (1)(2)(3)(4)<br>Section 3<br>Section 4                                   | None                            |          |                    |                                                       |
| 12 KAR 4:110                          | Terms and Definitions<br>Section 1: (1-106)                                                                                   | None                            |          |                    |                                                       |
| 12 KAR 4:120                          | Definition of “percentage”<br>Section 1                                                                                       | None                            |          |                    |                                                       |
| 12 KAR 4:130                          | Investigational Allowances<br>Section 1<br>Section 2: (1)(2)<br>Section 3                                                     | None                            |          |                    |                                                       |
| 12 KAR 4:140                          | Monetary Penalties<br>Section 1<br>Section 2                                                                                  | None                            |          |                    |                                                       |



# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation   | Description                                           | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|--------------|-------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|              | Section 3<br>Section 4: (1)(2) Section 5<br>Section 6 |                                 |          |                  |                                                       |
| 12 KAR 4:160 | Guaranteed Analysis<br>Section 1                      | None                            |          |                  |                                                       |

| Regulation                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | Specific Requirement of Subpart | Location                                                                                                                                     | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
| State                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |                                                                                                                                              |                  |                                                       |
| Article 6.1<br>Indiana Permit | Land Application of Biosolid, Industrial Waste Product and Pollutant Bearing Water<br>Specifically for the Louisville Green Management System                                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                                              |                  |                                                       |
| Rule 1 General Provision      | 327 IAC 6.1-1-1 Section 1: (a)(b)(1)(2)(3)(4)(5)(6)(7)(8)(9)(c) – Purpose<br>327 IAC 6.1-1-2 Section 2: (1)(2)(3) – Federal references<br>327 IAC 6.1-1-3 Section 3: (a)(1)(b) – Applicability<br>327 IAC 6.1-1.4 Section 4 – Enforcement<br>327 IAC 6.1-1-5 Section 5: (1)(2)(3) – Penalties<br>327 IAC 6.1-1-6 Section 6: (a)(1)(2)(3)(4)(5)(b)(1)(2)(A)(B)(C) – Access to Information                                                                   | None                            | <a href="#">..\Permit Applications and Regulations\Indiana Permit and License\Permit Information\ID EM permit from Jeff Harmon email.doc</a> | IDEM             | Biosolids Use and Disposal                            |
| Rule 2 Definitions            | 327 IAC 6.1-2-1 Section 1 – Applicability<br>327 IAC 6.1-2-3 Section 3(1)(2)(3)(4)(5) – Agricultural Land<br>327 IAC 6.1-2-4 Section 4 – Anaerobic Digestion<br>327 IAC 6.1-2-6 Section 6(1)(2)(3)(4) – Beneficial Use defined<br>327 IAC 6.1-2-6.5 Section 6.5 – BOD Defined<br>327 IAC 6.1-2-7 Section 7(a)(1)(2) – Biosolid Defined<br>327 IAC 6.1-2-8 Section 8 – Cation Exchange Capacity defined<br>327 IAC 6.1-2-9 Section 9 – Cereal Grain defined | None                            |                                                                                                                                              |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p>327 IAC 6.1-2-10.1 Section 10.1 – Contaminant defined</p> <p>327 IAC 6.1-2-13 Section 13 –Dewatered Defined</p> <p>327 IAC 6.1-2-14 Section 14(1)(2)(3)(4)(5)(6)(7)(8)(9)(10) – Discharge Defined</p> <p>327 IAC 6.1-2-15 Section 15(1)(2)(3)(4)(5) - Disinfection Defined</p> <p>327 IAC 6.1-2-16 Section 16 – Domestic Sewage defined</p> <p>327 IAC 6.1-2-17 Section 17 – Domestic wastewater defined</p> <p>327 IAC 6.1-2-18 Section 18 – Dry Weight basis defined</p> <p>327 IAC 6.1-2-19 Section 19 – Feed Crops defined</p> <p>327 IAC 6.1-2-20 Section 20 – Fiber Crops defined</p> <p>327 IAC 6.1-2-20.5 Section 20.5 – Fixed volume defined</p> <p>327 IAC 6.1-2-21 Section 21 – Flood Plain defined</p> <p>327 IAC 6.1-2-22 Section 22(1)(2) – Food Crops defined</p> <p>327 IAC 6.1-2-23 Section 23 – Forest Defined</p> <p>327 IAC 6.1-2-24 Section 25 – Ground Water defined</p> <p>327 IAC 6.1-2-26 Section 26 – Hazardous waste defined</p> <p>327 IAC 6.1-2-27 Section 27 – Incorporated into soil defined</p> <p>327 IAC 6-1-2-31 Section 31 – Injection defined</p> <p>327 IAC 6.1-2-32 Section 32(1)(2)(3) – Land Application defined</p> <p>327 IAC 6.1-2-33 Section 33 – Land Application Operation defined</p> <p>327 IAC 6.1-2-35 Section 34 (a)(1)(2)(3)(b)(1)(2)(3)(4)(5)(A)(B)(5)(6)(7)(8)(9)(10)(11)(A)(B)(C)(D) – Land with a high potential for public exposure</p> <p>327 IAC 6.1-2-35 Section 35 (a)(1)(2)(3)(b)(1)(2)(3)(b)(1)(2)(3)(4)(5)(6)(7)(A)(B)(C)(D)(E) – Land with a low potential for public exposure</p> <p>327 IAC 6.1-2-36 Section 36 – Mean Cell resident time defined</p> <p>327 IAC 6.1-2-37 Section 37 (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(A)(B)(C)(D)(E)(F) – Municipal defined</p> <p>327 IAC 6.1-2-38 Section 38 – Pasture defined</p> <p>327 IAC 6.1-2-39 Section 39 (1)(2)(3)(4)(5)(6) – Pathogenic Organisms defined</p> <p>327 IAC 6.1-2-40 Section 40(1)(2)(A)(B)(C)(D)(3) – Permit defined</p> <p>327 IAC 6.1-2-41 Section 41 – Person defined</p> <p>327 IAC 6.1-2-42 Section 42 – Person who applies defined</p> <p>327 IAC 6-1-2-43 Section 43(a)(1)(2)(b)(c) – Person who prepared defined</p> <p>327 IAC 6.1-2-44 Section 44 – pH Defined</p> <p>327 IAC 6.1-2-45 Section 45 (1)(2)(3)(4)(5)(6)(A)(B) – Pollutant defined</p> <p>327 IAC 6.1-2-47 Section 47(1)(2)(3) – Pollutant limit defined</p> <p>327 IAC 6.1-2-48 Section 48 – Public Building defined</p> <p>327 IAC 6-1-2-49 Section 49 – Set aside or idle defined</p> <p>327 IAC 6-1-2-50 Section 50 – Specific Oxygen uptake rate or SOUR defined</p> |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Specific Requirement of Subpart         | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------|------------------|-------------------------------------------------------|
|                                                                  | 327 IAC 6.1-2-52 Section 52 – State defined<br>327 IAC 6.1-2-55.5 Section 55.5(1)(2)(3)(4)(5)(6)(7) – Surface waters defined<br>327 IAC 6.1-2-56 Section 56 – Total solids defined<br>327 IAC 6.1-2-57 Section 57 – Treatment works defined<br>327 IAC 6.1-2-58 Section 58(1)(2) – Unstablized solids defined<br>327 IAC 6.1-2-59 Section 59(1)(2)(3)(4) – Vector attraction defined<br>327 IAC 6.1-2-60 Section 60 – Volatile solids defined<br>327 IAC 6.1-2-61 Section 61 – Waters of the state defined<br>327 IAC 6.1-2-62 Section 62(1)(2)(3) – Wetlands defined                                                                                                                                                                                                                                                                                                                   |                                         |          |                  |                                                       |
| Rule 3 Land Application General Requirements                     | 327 IAC 6.1-3-1 Section 1(a)(b)(c)(1)(2)(3)(d)(e)(1)(2)(f)(1)(2)(3)(4)(5)(g)(1)(2)(A)(B)(C)(3)(h)(1)(2)(3)(4)(5)(i)(1)(2)(3) – Permit Applications<br>327 IAC 6.1-3-2 Section 2(a)(1)(2)(3)(b) – Terms of Land Application Permits<br>327 IAC 6.1-3-3 Section 3 – Discharges from land application operations<br>327 IAC 6.1-3-4 Section 4(a)(b)(c)(d) – Permit duration and transition requirements<br>327 IAC 6.1-3-5 Section 5(a)(1)(2)((A)(B)(i)(ii)(b)(1)(2)(c) – Transferability<br>327 IAC 6.1-3-6 Section 6(a)(b) – Additional or more stringent requirements<br>327 IAC 6.1-3-7 Section 7(a)(1)(2)(d) – Responsibility of person who prepares                                                                                                                                                                                                                                  | None                                    |          |                  |                                                       |
| Rule 4 Land Application of Biosolid and Industrial Waste Product | 327 IAC 6.1-4-1 Section 1(1)(2) – Applicability<br>327 IAC 6.1-4-2 Section 2(a)(b) – Biosolid and industrial waste product characterization<br>327 IAC 6.1-4-3 Section 3(d) – General Requirements<br>327 IAC 6.1-4-5 Section 5(a)(1)(A) – Nonsite-specific permits<br>327 IAC 6.1-4-9 Section 9(a)(b)(c)(d)(e)(f)(1)(2)(A)(B)(3)(4)(g)(1)(2)(A)(B)(i)(ii)(C)(D)(E)(h)(1)(2)(A)(B)(3) – Pollutant Limits<br>327 IAC 6.1-4-13 Section 13(a)(2)(E)(i)(ii) – Pathogen Requirements<br>327 IAC 6.1-4-14 Section 14(3)(A)(B)(I)(ii)(b)(2)(ii) – Pathogen treatment processes<br>327 IAC 6.1-4-15 Section 15(7) – Vector attraction reduction requirements<br>327 IAC 6.1-4-16 Section 16(a)(b)(c)(d)(e)(1)(2)(A)(B)(C)(D)(E)(F)(G)(H)(I)(3)(4)(5)(f)(g)(h)(j) – Monitoring and analysis<br>327 IAC 6.1-4-17 – Section 17(b)91)(A)(B)(2)(c)(1)(A)(B)(C)(D)(E)(F) – Records and record keeping | Table 6 Frequency of Monitoring 1 month |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                 | Description                                                                                                                                                                                                                                                                                                                                                                           | Specific Requirement of Subpart | Location                                                        | Governing Agency   | Area(s) of Influence within the Biosolids Value Chain |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------|--------------------|-------------------------------------------------------|
| State                      |                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                 |                    |                                                       |
| 603 KAR 5<br>Truck Weights | Kentucky Revised Statutes<br>Secretary of Transportation Weight Limits for Trucks using the highway system.<br>Specifically for the Louisville Green Management System.                                                                                                                                                                                                               |                                 |                                                                 |                    |                                                       |
| 603 KAR 5:066              | <b>Weight limits for trucks</b><br>Section 1(1)(a)(b)(c)(2)(a)(b)(c)(d)(3) – Highway Classifications and Truck Types<br>Section 2(1)(2)(3) - Highways Except Interstates<br>Section 3(1)(2)(3)(4)(5)(6)(7)(8)(9)(10) – Interstate Highways<br>Section 4(1)(2)(3)(4)(5)(6)(7)(8) – AA Highways<br>Section 5(1)(2)(3)(4)(5)(6) – A Highways<br>Section 6 – Tolerance<br>Section 7(1)(2) | None                            | <a href="#">603 KAR 5:066. Weight (mass) limits for trucks.</a> | Commonwealth of KY | Biosolids Use and Disposal                            |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Specific Requirement of Subpart | Location                                                                       | Governing Agency | Area(s) of Influence within the Biosolids Value Chain                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------|
| Local                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |                                                                                |                  |                                                                                                                      |
| KRS 77<br>Environmental Protection | Kentucky Revised Statutes<br>Metro Louisville Air Pollution Control Regulations specifically for the Louisville Green Management System.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                                                                                |                  |                                                                                                                      |
| Chapter 1                          | <b>General Provisions</b><br>1.01 Section 1(1.1-1.5) – General Application of Regulations and Standards<br>1.02 Section 1(1.1-1.86) – Definitions<br><b>Abbreviations and Acronyms</b><br>1.03 Section 1 – Abbreviations<br><b>Performance Tests</b><br>1.04 Section 1 – Applicability<br>Section 2(2.1-2.11) – Test Requirements<br>Section 3(3.1-3.2) – Pre-Test Survey and Conference<br>Section 4(4.1-4.3) – Notification Waiver<br><b>Compliance with Emission Standards and Maintenance Requirements</b><br>1.05 Section 1(1.1-1.2) – Compliance with Emission Standards<br>Section 2(2.1-2.2) – Opacity Standards<br>Section 4(4.1-4.2.1) – Compliance with Volatile Organic Compound Regulations<br>Section 5 – Maintenance Requirements<br><b>Stationary Source Self Monitoring, Emissions Inventory Development and Reporting</b><br>1.06 Section 1(1.1-1.3) – Stack Monitoring and Reporting<br>Section 2 – Ambient Air Monitoring and Reporting<br>Section 3(3.1-3.5) – Requirements for Section 4 and 5 Emissions Statements<br>Section 4(4.1-4.3) – Emissions Statements for Criteria Pollutants, HAPs, and Ammonia<br>Section 5(5.1-5.2) – Emissions Statements for Toxic Air Contaminants<br>Section 6 – Certification by a Responsible Official<br><b>Excess Emissions During Startup, Shutdowns and Upset Conditions</b><br>1.07 Section 1 – Definitions<br>Section 2(2.1-2.8) – Excess Emissions<br>Section 3(3.1-3.9) – Startup and Shutdown<br>Section 4(4.1-4.8) – Upset Condition | None                            | <a href="#">Regulations &amp; Laws - LouisvilleKy.gov</a><br><a href="#">v</a> | Metro Government | Water Treatment and Solids Separation<br><br>Solids Conditioning and Stabilization<br><br>Solids Storage and Loading |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p>Section 5(5.1-5.2) – Extended Upset Conditions</p> <p><b>Administrative Procedures</b></p> <p>1.08 Section 1(1.1-1.3) – Public Hearings</p> <p>Section 2(2.1-2.8.2) – Compliance Plans and Schedules</p> <p>Section 3(3.1-3.2) – Procedures at Public Hearings</p> <p>Section 4(4.1-4.2) – Enforcement Orders</p> <p>Section 6(6.1-6.5.4) – Confidentiality and Open Records Policy</p> <p>Section 7(7.1-7.6.3) – Procedures for Adoption, Amendment, or Repeal of a Regulation</p> <p><b>Prohibition of Air Pollution</b></p> <p>1.09</p> <p><b>Circumvention</b></p> <p>1.10</p> <p><b>Control of Nuisances</b></p> <p>1.12 Section 1 – Definitions</p> <p>Section 2 – Prohibition of Nuisances</p> <p>Section 3 – Supersession</p> <p><b>Control of Objectionable Odors in the Ambient Air</b></p> <p>1.13 Section 1(1.1) – Definitions</p> <p>Section 2(2.1-2.7) – Prohibition of Objectionable Odors</p> <p>Section 3 – Reporting Accidental and Other Infrequent Emissions</p> <p><b>Control of Fugitive Particulate Emissions</b></p> <p>1.14 Section 1(1.1-1.2) – Definitions</p> <p>Section 2(2.1-2.4) – Standard for Fugitive Particulate Matter</p> <p>Section 8(8.1-8.3) - Other Activities</p> <p>Section 9(9.1-9.2.4) – Abatement and Preventive Measures</p> <p><b>Version of Federal regulations Adopted and Incorporated by Reference</b></p> <p>1.15 Section 1 – General Definition</p> <p>Section 2 – Date of Regulation</p> <p>Section 3 – Availability</p> <p><b>Rule Effectiveness</b></p> <p>1.18 Section 1 – Applicability</p> <p>Section 2 – Definitions</p> <p>Section 3 – Compliance Requirements</p> |                                 |          |                  |                                                       |



# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>Administrative Hearings</b></p> <p>1.19 Section 1 – Applicability</p> <p>Section 2 – Petition for Administrative Hearing</p> <p>Section 3(3.1-3.3.7) – Hearing Officer</p> <p>Section 4(4.1-4.2.4) – Intervention</p> <p>Section 5 – Prehearing Conference</p> <p>Section 6 (6.1-6.4) – Hearing Proceedings</p> <p>Section 7(7.1-7.3) – Filing of Documents</p> <p>Section 8(8.1-8.2.3) – Communications with the Hearing Officer</p> <p>Section 9(9.1-9.5) – Hearing Officer’s Report and Recommendation</p> <p>Section 10 - Appeals</p> <p><b>Upset Condition Prevention Programs</b></p> <p>1.20 Section 1(1.1-1.1.3) – Definitions</p> <p>Section 2 – Applicability</p> <p>Section 3(3.1-3.7) – Upset Condition Prevention Program Requirements</p>                                                                                                                                                                                                                                                   |                                 |          |                  |                                                       |
| Chapter 2  | <p><b>Permit Requirements</b></p> <p>2.01 – General Application</p> <p><b>Air Pollution Regulation Requirements and Exemptions</b></p> <p>2.02 Section 1(1.1-1.5) – Applicability</p> <p>Section 2(2.1-2.5.1) – Exempt Stationary Sources</p> <p>Section 3(3.1-3.3) – Temporary Exemptions</p> <p>Section 4(4.1-4.5.1) – Registered Stationary Sources</p> <p><b>Authorization to Construct or Operate</b></p> <p>2.03 Section 1(1.1-1.2) – Applicability</p> <p>Section 2 – Definitions</p> <p>Section 3(3.1-3.6.2) – Asbestos Demolition/Renovation Notices and Permits</p> <p>Section 4(4.1-4.9.3) – Applications for Permits to Construct or Operate</p> <p>Section 5(5.1-5.3) – Application Review</p> <p>Section 6(6.1-6.10) – Issuance, Terms, Renewal and Transfer</p> <p>Section 7(7.1-7.2) – Construction or Reconstruction of Air Pollution Control Equipment</p> <p>Section 8(8.1-8.3) – Relocated Sources</p> <p>Section 9(9.1-9.2) – Reconstructed Sources</p> <p>Section 10 – Record keeping</p> | None                            |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>Construction or Modification of Major Sources in or Impacting upon Non-Attainment Areas</b></p> <p>2.04 Section 1(1.1-1.3) – Applicability<br/>Section 2(2.1-2.2.20.7) – Definitions<br/>Section 3(3.1-3.27) – Initial Screening Analysis and Determination of Applicable Requirements<br/>Section 4(4.1-4.6.2) – Sources Locating in Designated Attainment or Unclassifiable Areas<br/>Section 5(5.1-5.6) – Conditions for Approval<br/>Section 7(7.1-7.2) – Administrative Procedures<br/>Section 8(8.1-8.4) – Source Obligation<br/>Section 9(9.1-9.2) – Permit Condition Rescission<br/>Section 10(10.1-10.6) – Protection of Visibility</p> <p><b>Prevention of Significant Deterioration of Air Quality</b></p> <p>2.05 Section 1(1.1-1.6) – General Provisions<br/>Section 2(2.1-2.2) – Effect of Stay, Vacatur, or Withdrawal</p> <p><b>Permit Requirements – Other Sources</b></p> <p>2.06</p> <p><b>Public Notification for Title V, PSD, and offset Permits</b></p> <p>2.07 Section 1(1.1-1.7.2) – Public Notice for Title V Permit Actions<br/>Section 2(2.1-2.6) – Opportunity for Public Comment<br/>Section 3(3.1-3.1.4) – PSD Notifications<br/>Section 4(4.14.10) – Public Hearing<br/>Section 5 – Public Hearing<br/>Section 6(6.1-6.2.3) – Petition for Objection<br/>Section 7(7.1-7.3) – Notice to Affected States<br/>Section 8(8.1-8.2) – Transmission of Information to EPA<br/>Section 9(9.1-9.7) – <b>EPA Objection</b><br/>Section 10(10.1-10.3) – Record Keeping and Sharing of Information<br/>Section 11 – Public Notification Costs</p> <p><b>Fees</b></p> <p>2.08 Section 1(1.1-1.11) – General Provisions<br/>Section 2(2.1-2.5) – Title V Emission Fees<br/>Section 3(3.1-3.4) – Filing and Banking Permit Fees<br/>Section 4(4.1-4.5) – Construction Permit Fees<br/>Section 5(5.1-5.3.11) – Minor Source Operating Permit Fees<br/>Section 6(6.1-6.5) – Federally Enforceable District Origin Operating Permit Fee</p> |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p>Section 7(7.1-7.1.11) – Permits for Asbestos demolition<br/>Section 8(8.1-8.1.4) – Plantwide Applicability Limit Permits<br/>Section 9(9.1-9.3) – Review of Permit and Emissions Fees<br/>Section 12(12.1-12.2.5.1) – Schedule of Fees Beginning in FY 2014</p> <p><b>Causes for Permit Modification, Revocation, or Suspension</b></p> <p>2.09 Section 1(1.1-1.3) – Permit Modification by District or the Board<br/>Section 2(2.1-2.4) – Permit Revocation by the Board<br/>Section 3(3.1-3.2) – Permit Suspension by the Board</p> <p><b>Stack Height Considerations</b></p> <p>2.10 Section 1 – Applicability<br/>Section 2(2.1-2.7) – Definitions<br/>Section 3 – Compliance<br/>Section 4 – Public Notice<br/>Section 5 – Exemptions</p> <p><b>Air Quality Model Usage</b></p> <p>2.11 Section 1(1.1-1.2)</p> <p><b>Federally Enforceable District Origin Operating Permits</b></p> <p>2.17 Section 1 – Definitions<br/>Section 2 – Applicability<br/>Section 3(3.1-3.8) – General Provisions<br/>Section 4(4.1-4.6) – Permit Applications<br/>Section 5(5.1-5.3) – Permit Requirements<br/>Section 6(6.1-6.6) – Permit Issuance, Renewals, Revisions and Revocations<br/>Section 7(7.1-7.2) – Reporting and Recordkeeping Requirements<br/>Section 8(8.1-8.5.3) – Public Participation in Federally Enforceable District Origin Operating Permit Actions<br/>Section 9 – Public Notification and Public Hearing Cost</p> |                                 |          |                  |                                                       |
| Chapter 3  | <p><b>Ambient Air Quality Standards</b></p> <p>3.01 Section 1 – Definitions<br/>Section 2 – Purpose<br/>Section 3 – Non-degradation<br/>Section 4 – General Prohibition<br/>Section 5 – Methods of Measurements<br/>Section 6 – Savings Clause<br/>Section 7 – Ambient Air Quality Standards</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
| Chapter 4  | <p><b>Emergency Episodes</b></p> <p>4.01</p> <p>4.02 Section 1 – Air Pollution Forecast</p> <p>Section 2(2.1-2.2.5.2) – Air Pollution Alerts</p> <p>Section 3 (3.1-3.2.5) – Air Pollution Warnings</p> <p>Section 4(4.1-4.2.5) – Air Pollution Emergencies</p> <p>Section 5 –Episode Termination</p> <p>Section 6 - Declaration of Episodes</p> <p><b>General Abatement Requirements</b></p> <p>4.03 Section 1(1.1-1.6) – General Provisions</p> <p>Section 2(2.1-2.5) – Standby Plans</p> <p>Section 3(3.1-3.2.2.1) – Alert Stage General Requirements</p> <p>Section 4(4.1-4.2.3) – Warning Stage General Requirements</p> <p>Section 5(5.1-5.1.3.9) – Emergency Stage General Requirements</p> <p><b>Particulate and Sulfur Dioxide Reduction Requirements</b></p> <p>4.04 Section 1(1.1-1.3.2) – Alerts</p> <p>Section 2(2.1-2.5.2) – Warnings</p> <p>Section 3 – Emergencies</p> <p><b>Hydrocarbon and Nitrogen Oxides Reduction Requirements</b></p> <p>4.05 Section 1(1.1-1.3.2.1) – Alerts</p> <p>Section 2(2.1-2.2) – Warnings</p> <p>Section 3 – Emergencies</p> <p><b>Carbon Monoxide Reduction Requirements</b></p> <p>4.06 Section 1(1.1-1.1.1) – Alerts</p> <p>Section 2 – Warnings</p> <p>Section 3 – Emergencies</p> <p><b>Episode Reporting Requirements</b></p> <p>4.07</p> |                                 |          |                  |                                                       |
| Chapter 5  | <p><b>Standards for Toxic Air Contaminants and Hazardous Air Pollutants</b></p> <p>5.00 Section 1(1.1-1.27) – Definitions</p> <p>Section 2 – Acronyms</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>General Provisions</b></p> <p>5.01 Section 1 – General Duty</p> <p>Section 2 – Effect on Federal and SIP Emission Standards</p> <p><b>Adoption and Incorporation by Reference of National Emission Standards for Hazardous Air Pollutants</b></p> <p>5.02 Section 1 – General Definition</p> <p>Section 2 – Adopted and Incorporated Subpart and Appendix Version Dates</p> <p>Section 3 – Adoption and Incorporation by Reference of 40 CFR part 61</p> <p>Section 4 – Adoption and incorporation by Reference of 40 CFR part 63</p> <p>Section 5 – Additional Applicable Requirements</p> <p>Section 6 - Applicability</p> <p><b>Adoption of Federal Emission Standard for Asbestos</b></p> <p>5.04 Section 1 – General Definitions</p> <p>Section 2 – Applicability</p> <p>Section 3 – Adoption of 40 CFR part 61 Subpart M</p> <p>Section 4 – Availability</p> <p><b>Standards of Performance for Existing Processes and Process Equipment Emitting Toxic Air Pollutants</b></p> <p>5.11 Section 1 – Applicability</p> <p>Section 2 – Savings Clause</p> <p><b>Standards of Performance for New or Modified Processes or Process Equipment Toxic Air Pollutants</b></p> <p>5.12 Section 1 – Applicability</p> <p>Section 2 - Savings Clause</p> <p><b>Hazardous Air Pollution and Source Categories</b></p> <p>5.14 Section 1(1.1-1.3) – Definitions</p> <p>Section 2 – Listing of Hazardous Air Pollutants</p> <p>Section 3(3.1-3.2.11) – List of Categories and Subcategories of Hazardous Air Pollutant Sources</p> <p>Section 4 – Additional List of Source Categories of Hazardous Air Pollutants</p> <p><b>Chemical Accident Prevention Provisions</b></p> <p>5.15 Section 1 – Definitions</p> <p>Section 2(68.1-68.220)</p> |                                 |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13  
Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>Control Technology Requirements for New and Reconstructed Major Stationary Sources of Hazardous Air Pollutants</b></p> <p>5.16 <b>Section 1(1.1-1.14)</b> – Definitions<br/>    <b>Section 2(2.1-2.4)</b> – Applicability<br/>    <b>Section 3</b> – Construction or Reconstruction of Major Sources<br/>    <b>Section 4(4.1-4.11)</b> Case by case MACT Determinations for Constructed or Reconstructed Major Sources<br/>    <b>Section 5(5.1-5.3)</b> – Requirements for Constructed or Reconstructed Major Sources Subject to a Subsequently Promulgated MACT Standard or MACT Requirement</p> <p><b>Methodology for Determining the Benchmark Ambient Concentration of a Toxic Air Contaminant</b></p> <p>5.20 <b>Section 1</b> – Use of Benchmark Ambient Concentration<br/>    <b>Section 2(2.1-2.5.1)</b> – Determination that at TAC is a Carcinogen<br/>    <b>Section 3(3.1-3.4)</b> – Determination of the BACe<br/>    <b>Section 4(4.1-4.12.6)</b>- Determination of the BACnc</p> <p><b>Environmental Acceptability of Toxic Air Contaminants</b></p> <p>5.21 <b>Section 1</b> – Applicability<br/>    <b>Section 2(2.1-2.7)</b> – DeMinimis Emissions<br/>    <b>Section 3(3.1-3.8)</b> – EA Goals<br/>    <b>Section 4(4.1-4.24)</b> – EA Demonstrations and Compliance Plans for Permitted Stationary Sources<br/>    <b>Section 5(5.1-5.14)</b> – Modification of an EA Goal<br/>    <b>Section 6(6.1-6.10)</b> – District-initiated Determinations<br/>    <b>Section 7(7.1-7.4)</b> – Public Review</p> <p><b>Procedures for Determining the Maximum Ambient Concentration of a Toxic Air Contaminant</b></p> <p>5.22 <b>Section 1(1.1-1.5)</b> – Determining the Maximum Ambient Concentration of a Toxic Air Contaminant<br/>    <b>Section 2(2.1-2.2)</b> – Tier 1 –Table 1: Simple Factor for Determining maximum Ambient Concentration<br/>    <b>Section 3(3.1-3.7.5.7)</b> – Tier 2 – Table 2: Annual Factor for Determining Maximum Ambient Concentrations<br/>    <b>Section 4(4.1-4.4)</b> – Tier 3 – SCREEN2 and TSCREEN Models<br/>    <b>Section 5(5.1-5.5)</b> – Tier 4 EPA Approved Dispersion Model<br/>    <b>Section 6(6.1)</b> – Model and Guidance Availability</p> |                                 |          |                  |                                                       |



# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <b>Categories of Toxic Air Contaminants</b><br>5.23 Section 1(1.1-1.2) – Category 1 Toxic Air Contaminants<br>Section 2(2.1-2.2) – Category 2 Air Contaminants<br>Section 3(3.1-3.2) – Category 3 Toxic Air Contaminants<br>Section 4(4.1-4.2) – Category 4 Toxic Air Contaminants<br>Section 5(5.1-5.17) – Exemptions from the Definition of Toxic Air contaminant<br><b>Report and Plan of Action for Identified Source Sectors</b><br>5.30 Section 1(1.1-1.1.4) – Definitions<br>Section 2(2.1-2.4) – Report and Plan of Action                                                                                                                                                                                                                                                                                                                                                                                            |                                 |          |                  |                                                       |
| Chapter 6  | <b>Standards of Performance for Existing Affected Facilities</b><br>6.01 Section 1 – Applicability<br>Section 2 – Permit Required<br>Section 3 – Reporting Requirements<br>Section 4(4.1-4.3) – Performance Tests<br><b>Emission Monitoring for Existing Sources</b><br>6.02 Section 1(1.1-1.3)<br>Section 2(2.1-2.4)<br>Section 3 – Exemption<br>Section 4 – Extensions<br>Section 5 – Monitoring Systems Malfunctions<br>Section 6(6.1-6.4) – Monitoring Requirements<br>Section 7(7.1-7.5)<br>Section 8(8.1-8.4)<br>Section 9 – Calibration Gases<br>Section 10(10.1-10.2) – Cycling Times<br>Section 11 – Monitor Location<br>Section 12 – Combined Effluents<br>Section 13 – Zero and Span Drift<br>Section 14 – Span<br>Section 15(15.1-15.5) – Alternate Procedures and Requirements<br>Section 16(16.1-16.6) – Minimum Data Requirements<br>Section 17(17.1-17.2.2)<br>Section 18(18.1-18.4) – Special Considerations | None                            |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | <p><b>Standards of Performance for Existing Process Operations</b></p> <p>6.09 Section 1(1.1-1.2) – Applicability<br/>Section 2(2.1-2.6) – Definitions<br/>Section 3(3.1-3.6.2) – Standard for Particulate Matter<br/>Section 4(4.1-4.2) – Standard for Nitrogen Oxides<br/>Section 5 – Test Methods and Procedures</p> <p><b>Standard of Performance for Existing Process Gas Streams</b></p> <p>6.10 Section 1 – Applicability<br/>Section 2(2.1) – Definitions<br/>Section 3- Standard for Hydrogen Sulfide<br/>Section 4 – Standard for Sulfur Dioxide<br/>Section 5 – Standard for Carbon Monoxide<br/>Section 6(6.1-6.2) – Test Methods and Procedures<br/>Section 7(7.1-7.5) – Compliance Schedule</p>                                                                                                                                                                                                                                                                                                   |                                 |          |                  |                                                       |
| Chapter 7  | <p><b>Standards of Performance for New Affected Facilities</b></p> <p>7.01 Section 1 – Applicability<br/>Section 2 – Permit Required<br/>Section 3(3.1-3.5) – Reporting Requirements<br/>Section 4(4.1-4.2) – Performance Tests<br/>Section 5(5.1-5.4) –Notification and Recordkeeping<br/>Section 6(6.1-6.3.4) – Monitoring Requirements<br/>Section 7(7.1-7.2) – Additional Standards</p> <p><b>Adoption and Incorporation by Reference of Federal New Source Performance Standards</b></p> <p>7.02 Section 1 – General Definition<br/>Section 2 – Adopted and Incorporated Subpart and Appendix Version Dates<br/>Section 3(3.1-3.101) – Adoption and Incorporation by reference of 40 CFR Part 60<br/>Section 4(4.1-4.2) – Availability</p> <p><b>Standards of Performance for New Process Operations</b></p> <p>7.08 Section 1 – Applicability<br/>Section 2(2.1-2.5.2) – Definitions<br/>Section 3(3.1-3.3.4) – Standard for Particulate Matter<br/>Section 4(4.1-4.2) – Standard for Nitrogen Oxides</p> | None                            |          |                  |                                                       |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13  
Form Approved By: 

| Regulation                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Specific Requirement of Subpart | Location                                                                                                                                                                   | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
|                                            | <b>Standards of Performance for New Process Gas Streams</b><br>7.09 Section 1(1.1-1.2) – Applicability<br>Section 2(2.1) – Definitions<br>Section 3(3.1-3.2) – Standard for Hydrogen Sulfide<br>Section 4 – Standard for Sulfur Dioxide<br>Section 5(5.1-5.2) – Standard for Carbon Monoxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                                                                                                            |                  |                                                       |
| Regulation                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Specific Requirement of Subpart | Location                                                                                                                                                                   | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
| <b>Local</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |                                                                                                                                                                            |                  |                                                       |
| Chapter 95<br>Hazardous Material Ordinance | <b>Louisville Metro Code of Ordinances</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |                                                                                                                                                                            |                  |                                                       |
| Chapter 95                                 | <b>An Ordinance Amending and Re-Enacting Chapter 95 of The Louisville Metro Code of Ordinances Relating to Hazardous Materials</b><br>Section 1(95.01) – Purpose<br>Section 1(95.02) – Applicability<br>Section 1(95.03) – Definitions<br>Section1 (95.04) – Determination of Reportable Quantities<br>Section 1 (95.05) - Administering Agency<br>Section 1 (95.06) – Notice and Reporting Requirements<br>Section 1 (95.07) – Hazardous Materials Use and Spill Prevention<br>Section 1 (95.08) – Inspection and Investigation<br>Section 1 (95.09) – Confidential Information and Trade Secrets<br>Section 1(95.10) – Emergency And Hazardous Chemical Inventory Reporting Requirements<br>Section 1(95.11) – Enforcement<br>Section 1(95.12) – Cost Recovery by Responding Agencies<br>Section 1(95.13) – Appeals and Overseer Board<br>Section 1(95.14) – Appeals of Cost Recovery Claims<br>Section 1(95.15) – Affirmative Defense<br>Section 1(95.16) – Fees | None                            | <a href="http://www.louisvilleky.gov/www.louisvilleky.gov/downloads/council/2187.doc">http://www.louisvilleky.gov/<br/>www.louisvilleky.gov/downloads/council/2187.doc</a> | MSD              | Collection and Pretreatment                           |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                        | Specific Requirement of Subpart | Location | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------|------------------|-------------------------------------------------------|
|            | Section 1(95.17) – Disclaimer of Liability<br>Section1 (95.18) – Indoor Release of Hazardous Materials<br>Section 1(95.98) – Existing Obligations and Severability |                                 |          |                  |                                                       |

| Regulation                     | Description                                                         | Specific Requirement of Subpart | Location                                                                                                                                | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|--------------------------------|---------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
| MSD Internal Requirements      |                                                                     |                                 |                                                                                                                                         |                  |                                                       |
| Final Product Specification    | Louisville Green Management System                                  |                                 |                                                                                                                                         |                  |                                                       |
| Density                        | 94-97% Dry Solids: Internal Specification for Final Product Density | None                            | ..\6. Operational Control\Morris Forman Core Processes\Dryers\Operations Documentation\Chapter 4 Monitoring and Measurementrev 001.docx | MSD              | Solids Conditioning and Stabilization                 |
| Contract/Agreements            | Louisville Green Management System                                  |                                 |                                                                                                                                         |                  |                                                       |
| National Biosolids Partnership | Platinum Level Certification since 2008                             | None                            | <a href="http://www.wef.org/biosolids">http://www.wef.org/biosolids</a>                                                                 | NBP              | Entire Value Chain                                    |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Specific Requirement of Subpart | Location                                                                                                                             | Governing Agency     | Area(s) of Influence within the Biosolids Value Chain |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|
| Marketer Contract                     | Contract with A-J, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | None                            | ..\6. Operational Control\Contractor Control\Louisville Green Marketer\Manncos, Inc\Contract Information\Manncos Contract signed.pdf | MSD                  | Biosolids Use and Disposal                            |
| Arkansas The Fertilizer Law           | Section 1. (2-10-202) Registration Required for Fertilizer Brands and Materials- Licensing Required for Fertilizer Blending and Storage Facilities (a), (c)<br>Section 2. (2-19-205) Each Container Must Show Analysis<br>Section 3. (2-19-206) Penalty for Deficiency<br>Section 4. (2-19-209) Tonnage Must be Reported and Inspection Fee Paid (a), (b)<br>Section 5. (2-19-203) Sale of Unregistered Fertilizer (a)<br>Section 6. (2-10-207) Sampling Fertilizers<br>Section 7. (2-19-208) Analysis of Fertilizers<br>Section 8. (2-10-210) Rules and Regulations: Stopping Sales<br>Section 9. (2-19-204) Sales to Registered Manufacturers<br>Section 10 (2-19-201) Penalty<br>Section 11. Fertilizer Regulations<br>Regulation No. 1 Records and Reports 1.1, 1.2, 1.3<br>Regulation No. 2 Brand Registration and Facility License Fees 2.1, 2.2<br>Regulation No. 3 Penalties for Plant Food Storage<br>Regulation No. 4 Penalty for Short Weight<br>Regulation No. 5 Penalty for Other Variances<br>Regulation No 6. Stop-Sale Orders<br>Regulation No 7. Labeling of Bulk, Liquid or Dry Fertilizers<br>Regulation No. 8. Secondary and Minor Plant Nutrients | None                            | ..\6. Operational Control\Contractor Control\Louisville Green Marketer\A-J, Inc. 2019\Contract Documents\Arkansas                    | Arkansas Plant Board | Biosolids Use and Disposal                            |
| South Carolina Fertilizer Law of 1951 | Section 46-25-210. Registration of Fertilizer, application, fees (A) (1), (2) (B)(1)(2)(3)(4)<br>Section 46-25-410. Information required on containers or with bulk shipments<br>Section 46-25-520. Regulations concerning minimum standards for certain fertilizer material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | None                            | ..\6. Operational Control\Contractor                                                                                                 | South Carolina       | Biosolids Use and Disposal                            |

# Appendix 4A: List of Legal and Other Requirements

Updated: 11-15-19  
Update Number: 023



Form Revision Number: 003  
Form Revision Date: 7-30-13

Form Approved By: 

| Regulation | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Specific Requirement of Subpart | Location                                                                                                                   | Governing Agency | Area(s) of Influence within the Biosolids Value Chain |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
|            | Section 46-25-710. Analysis of official samples, inspectors, chemists and other personnel, reports<br>Section 46-25-720. Entering premises, inspecting and sampling<br>Section 46-25-810. Inspection tax and tonnage reporting, collection fee.<br>Section 46-25-830. Reports of sales to non-registrants<br>Section 46-25-840. Financial statement of bond: records.<br>Section 46-25-850. Examination of registrant’s records.<br>Section 46-25-1010. Penalties for plant nutrient deficiencies and other acts: appeals, distribution of penalty sums to consumers. (1)(2)(4)(5)<br>Section 46-25-1080. Penalty for shortage in weight.<br>Section 46-25-1090. Forfeiture for selling, transporting, or receiving improperly branded, tagged or misbranded fertilizer.<br>Section 46-25-1140. Stop Sale, use or removal orders<br>27-175 Plant Nutrients, Guarantees, tolerances and Penalties<br>27-176. Bulk Commercial Fertilizers |                                 | <a href="#">ctor Control\Louisville Green Marketer\A-J, Inc. 2019\Contract Documents\South Carolina\South Carolina.pdf</a> |                  |                                                       |

Updated Marketer Contract Information