Additional Information

CITY OF JOPLIN, MISSOURI

SPECIAL USE PERMIT DETERMINATION FORM

REASON FOR DETERMINATION

Special Use Case No.: 011-14
Date of Action: 03/10/2014
Action: Approved
Expiration Date: March 2016

Submit Questions To:
Planning & Community Development Director
602 South Main Street
Joplin, MO 64801
(417) 624-0820, Ext. 510
FAX (417) 625-4738

On March 10, 2014, the City of Joplin Planning and Zoning Commission at its regular meeting recommended Approval of a special use permit for the operation of a solid waste collection and processing facility for recycled materials to be located at 510 S. Tyler Avenue.

In recommending Approval of this special use permit, the Planning and Zoning commission considered all standards listed in the Zoning Regulation, and all other conditions listed for that use in other sections of these regulations. In addition, the Planning and Zoning Commission found that the proposed use did provide safeguards to assure its compatibility with the surrounding area.

Conditions:

1. This Special Use Permit is issued to Triple R Recycling for the operation of a solid waste collection and processing facility at 510 S. Tyler Avenue.
2. The permit shall be valid for two (2) years renewable in March 2016.
3. Any outside area used for operations and/or storage must be screened.
4. No loose material shall be stored outside of the facility.
5. All regulations as stated in Appendix 29-A (Zoning Code) of the Joplin Municipal Code shall be followed at all times.
6. Any other conditions set by the City Council of the City of Joplin.

Troy Bolander
Planning & Community Development Director

CITY OF
JOPLIN
MISSOURI

Business name . : TRIPLE R RECYCLING LLC
Phone number . : (417) 291-7560 Ctl nbr . : 18192
Location addr . : 510 S TYLER AVE JASP
Lic Nbr/Class . : 16 00024757 JUNK DEALER
Issue date . . : 8/28/15 Expiration date . : 4/14/16

LICENSE NON-TRANSFERABLE/DISPLAY IN VIEW FOR CUSTOMERS

TRIPLE R RECYCLING LLC
510 S TYLER AVE
JOPLIN MO 64801

Bureau of Waste Management
Curtis State Office Building
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

Phone 785-296-1600
Fax 785-296-8909
bwmweb@kdheks.gov
www.kdheks.gov/waste

Susan Mosier, MD Secretary

Department of Health & Environment

Sam Brownback, Governor

June 08, 2015

Jim Melton
Resource Recovery, Inc
4237 County Rd 5300
Cherryvale, KS 67335

RE Permit Renewal for Permit No 0505, for the following types of permits
MSW Sub-D, Montgomery County

Dear Mr Melton

The Department of Health and Environment is in receipt of the permit renewal fee, updated liability insurance certificate, and financial assurance documentation for your solid waste facility as required by K S A 65-3407

This letter will serve as the permit renewal for the period of July 1, 2015 through June 30, 2016

All conditions, requirements and conformity with plans and specifications referred to and shown on permit 0505 remain in effect Your continuing cooperation with the solid waste management program is appreciated

Sincerely,

Dennis A. Degner

Dennis A Degner, Ph D , P E
Chief, Solid Waste Permits Section

c Montgomery County Commissioners

STATE OF KANSAS
OFFICE OF SECRETARY OF STATE
KRIS W. KOBACH

I, KRIS W. KOBACH, Secretary of State of the state of Kansas, do hereby certify, that according to the records of this office.

Business Entity ID Number: 2963965

Entity Name: ALLIED SERVICES, LLC

Entity Type: FOR: LTD LIABILITY COMPANY

State of Organization: DE

Resident Agent: THE CORPORATION COMPANY, INC.

Registered Office: 112 SW 7TH STREET SUITE 3C, TOPEKA, KS 66603

was filed in this office on December 28, 2000, and is in good standing, having fully complied with all requirements of this office.

No information is available from this office regarding the financial condition, business activity or practices of this entity.



In testimony whereof I execute this certificate and affix the seal of the Secretary of State of the state of Kansas on this day of December 01, 2015

Kris W. Kobach

KRIS W. KOBACH
SECRETARY OF STATE

Certificate ID: 732128 - To verify the validity of this certificate please visit https://www.kansas.gov/bess/flow/validate and enter the certificate ID number.

STATE OF MISSOURI
Mel Carnahan, Governor • David A. Shorr, Director
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF THE DIRECTOR
P.O. Box 176 Jefferson City, MO 65102-0176

AUG 7 1997

REGISTERED MAIL # P 331 172 422
RETURN RECEIPT REQUESTED

Mr. Terry Stone, Vice-President
Browning-Ferris Industries
of Springfield, Inc.
2115 West Bennett
Springfield, MO 65807

RE: Prairie View Regional Waste Facility, Browning-Ferris Industries of Springfield, Inc., Solid Waste Disposal Area Construction Permit Number 101104, Barton County

Dear Mr. Stone:

An application for a construction permit has been filed with the Missouri Department of Natural Resources (MDNR) requesting a permit to construct a sanitary landfill designated in the application as the Prairie View Regional Waste Facility, Barton County, Missouri. The application was filed by Midwest Environmental Consultants, P.C. and submitted to the MDNR for review and approval. The application includes engineering plans, specifications, operating procedures, and subsequent correspondence or amendments for the subject disposal area. The application was prepared by Lee D. Tharp, P.E., Midwest Environmental Consultants, P.C. The application has been reviewed for compliance with the Missouri Solid Waste Management Law (Sections 260.200 to 260.345, RSMo), and the Missouri Solid Waste Management Rules.

In accordance with Section 260.205.2, RSMo, the MDNR hereby approves the application and issues Permit Number 101104 to Browning-Ferris Industries of Springfield, Inc. to construct a solid waste disposal area as set forth in the application as the Prairie View Regional Waste Facility. The sanitary landfill is located in the west 1/2 and southeast 1/4 of Section 2, and the

RECYCLED PAPER

east 1/2 of Section 3, Township 32N, Range 31W, Barton County, Missouri. This permit applies only to that tract of land consisting of approximately 705 acres as described by the engineering plans, specifications, and operating procedures submitted to the department. The disposal area will include approximately 113.9 acres, divided into five phases to be used for waste disposal. A portion of the permitted area includes an existing sanitary landfill denoted as the Lamar Sanitary Landfill, Permit Number 101103 which is currently under operation in 44.8 acres of the proposed site and included in the new permit. The remaining approximately 546.3 acres are to be utilized for sanitary landfill related design features such as borrow area, all-weather access roads, buffer zone, leachate collection and removal system, gas monitoring system, and storm water diversion structures.

The department may review this permit after the date of issuance and notify the permit holder as necessary to assure that the disposal area continues to comply with the currently applicable requirements and provisions of the Missouri Solid Waste Management Law and rules adopted thereunder.

Approval of the application and issuance of this permit is given with the explicit understanding that the sanitary landfill shall be developed and operated in compliance with the approved plans, specifications, operating procedures, the conditions of the permit, the Missouri Solid Waste Management Rules, and the Missouri Solid Waste Management Law. This permit is not to be construed as compliance with any existing federal or state environmental laws other than the Missouri Solid Waste Management Law; nor should this be construed as a waiver for any other regulatory requirements. This permit is not to be construed as compliance with any existing local ordinances or zoning requirements.

The holder of this permit is required to comply with all applicable environmental laws and regulations enforced by the MDNR. These environmental requirements are administered by the Air Pollution Control Program, the Water Pollution Control Program (WPCP), the Land Reclamation Program, the Public Drinking Water Program, the Hazardous Waste Program, and the Solid Waste Management Program (SWMP). Noncompliance with these environmental laws and regulations may, in certain circumstances, result in the suspension or revocation of this permit and may subject the permit holder to civil and criminal liability.

PERMIT DOCUMENTS

These documents are incorporated by this reference into Permit Number 101104:

1. The Application for Solid Waste Disposal Area Operating Permit form, dated August 19, 1996, and received August 27, 1996, designating Browning-Ferris Industries of Springfield, Inc. as the owner and operator of the landfill, and Midwest Environmental Consultants, P.C., as the engineering firm.

2. The engineering report, with Appendices 1 through 14, entitled Prairie View Regional Waste Facility, Engineering Report, Barton County, Missouri, dated June 30, 1997, and received June 30, 1997, prepared by Midwest Environmental Consultants, P.C.

3. The siting restrictions report entitled Prairie View Regional Waste Facility, Site Location Restriction Demonstration, Barton County, Missouri, dated August 23, 1996, and received August 27, 1996, prepared by Midwest Environmental Consultants, P.C.

4. The closure/post-closure plan entitled Prairie View Regional Waste Facility, Closure and Post-Closure Plan, Barton County, Missouri, dated June 30, 1997, and received June 30, 1997, prepared by Midwest Environmental Consultants, P.C.

5. The detailed site investigation and characterization report entitled Hydrogeologic Characterization Report for the Proposed Lamar Landfill Expansion, Lamar, Missouri, dated March 1996, and received September 5, 1996, prepared by Golder Associates Inc., St. Louis.

6. The groundwater, surface water, and gas monitoring plan entitled Prairie View Regional Waste Facility, Environmental Monitoring Plan, Barton County, Missouri, dated June 30, 1997, and received June 30, 1997, prepared by Midwest Environmental Consultants, P.C.

7. A set of engineering drawings entitled Prairie View Regional Waste Facility, Barton County, Missouri, dated June 30, 1997, and received June 30, 1997, prepared by Midwest Environmental Consultants, P.C., containing drawing numbers 1 of 19 through 19 of 19.

GENERAL CONDITIONS

The following conditions are an integral part of the permit. Compliance with these conditions shall, in part, determine compliance with the permit. All reports, plans, and data required to satisfy these conditions shall be prepared or approved by a professional engineer registered in the state of Missouri.

1. Operation and Design

Any change in the operation and/or design of this facility other than that which has been described in the application and approved in this permit is a modification of the permit, and prior written approval shall be obtained in advance of the permittee making that change.

2. Easement, Notice and Covenant

The owner and the department shall execute:

A. An easement to allow the department, its agents or its contractors to enter the premises to complete work specified in the closure plan, monitor or maintain the site, or take remedial action during the post-closure period; and

B. A notice and covenant indicating that the property has been permitted as a solid waste disposal area and prohibiting use of the land in any manner which interferes with the closure and post-closure plan filed with the department.

To satisfy these requirements, the department's SWMP has prepared a standard document entitled Agreement for Easement, Notice and Covenant Running with the Land. A copy of the document is enclosed for your use. At least two copies of the original document shall be submitted to the department's SWMP for approval and signature within thirty (30) days of the date of this permit.

3. Borehole Abandonment

All exploratory boreholes, abandoned monitoring wells and abandoned piezometers shall be plugged in accordance with

10 CSR 23-3.110 "Permanent Abandonment of Wells" and 10 CSR 23-4.080 "Plugging of Monitoring Wells," or an alternate method approved by the department. Proof of proper abandonment shall be submitted to the SWMP for approval prior to requesting an operating permit for the initial section (phase) of liner.

4. Groundwater Monitoring

A. Groundwater monitoring shall be required as per the enclosed document entitled Prairie View Regional Waste Facility, Environmental Monitoring Plan, Barton County, Missouri Permit Number 101104, dated June 30, 1997, which is hereby incorporated by reference into solid waste Permit Number 101104.

B. Before an operating permit will be granted, the construction of all groundwater monitoring wells shall be approved by the department. Two copies of the geologist's boring logs and as-built drawings showing the well construction for these monitoring wells, as well as two copies of plan sheets that show the as-built locations of these wells, shall be submitted to the department's SWMP.

5. Liner and Final Cover

A. All borrow material used for liner and cover construction shall be from a previously sampled and approved area.

B. The top surface of each lift of the compacted clay soil liner and final cover shall be scarified prior to placement of an over-lying lift of liner soil.

C. The top surface of the final lift of the compacted clay soil liner shall be smooth drum rolled prior to flexible membrane liner placement to ensure intimate contact between the compacted clay soil liner and the flexible membrane liner.

D. The soils to be used for liner and cover construction shall be periodically tested and analyzed to ensure they meet the requirements as described in the engineering report. The compaction of the soil liner and final cover shall be confirmed via the following Quality Assurance/Quality Control (QA/QC) procedures.

All QA/QC data results shall be submitted to the SWMP:

1) On every 5,000 cubic yards of soil to be applied, perform laboratory tests of grain size, soil classification, Atterberg limits, permeability, and density/moisture testing (Standard Proctor).

2) Whenever soil conditions change, perform laboratory analysis on at least one representative sample for every 5,000 cubic yards of material used for construction.

3) All laboratory analysis on soil shall be performed prior to initial placement of soil.

4) Nuclear gauge field density and moisture tests (ASTM D2922-81) shall be performed on each lift of the soil liner and final cover. Testing shall be performed at a maximum horizontal spacing of 100-foot centers, offset 50-feet, for each lift of the liner. Any portion of the liner and final cover which fails to meet the minimum compaction specification shall be removed, recompacted and retested.

5) Moisture/density verification shall be performed every five days on compacted soil liner and final cover construction. Sand cone moisture/density test methods may be used to confirm the nuclear gauge test as described above.

6) Conduct laboratory hydraulic conductivity testing on undisturbed (e.g., Shelby tube) samples collected from the in-place compacted soil liner and final cover for every 5,000 cubic yards of soil placed and compacted.

7) Elevations of the bottom and top of the landfill compacted soil liner and final cover shall be checked at a maximum horizontal spacing of 100-foot centers.

D. Installation of the flexible membrane liner and cover shall be performed in accordance with the QA/QC measures specified in the approved engineering report, and with the manufacturer's recommendations.

E. Please supply the SWMP with QA/QC data and results on the composite liner's geosynthetic components for each phase and conduct both nondestructive and destructive testing on the geomembrane.

F. The permittee shall provide seven (7) days advance notice of the following activities to the SWMP:

1) Subgrade excavation;

2) Placement of the soil component of the liner system, including final surface preparation;

3) Placement of the geosynthetic component of the liner system; and

4) Placement of the leachate collection system and its protective layer.

The SWMP reserves the right to inspect and approve or disapprove any of the above mentioned activities during the construction of the landfill.

6. Operating Permit

When requesting the Operating Permit for the initial phase, three (3) copies of a written report shall be submitted containing all QA/QC data/results, as-built drawings, drawing(s) showing details of inter-phase berms and the tie-in of liner elements to previously constructed phases, and a certification by a professional engineer who is registered in the state of Missouri stating that the landfill phase was constructed as per the department approved engineering design plans and specifications. The certification shall be signed and dated by both the permittee and the professional engineer who is registered in the state of Missouri. The approved post-closure Financial Assurance Instrument shall be submitted along with the request for the Operating Permit. The report and certification shall be approved by the SWMP before the Operating Permit for the initial phase will be granted.

If an application for the Operating Permit for the initial phase of the solid waste disposal area is not submitted to, and received by the department within sixty (60) months of issuance of the construction permit, the applicant, prior to submittal of an operating permit application, shall hold a

public awareness and community involvement session, solicit comments, and respond to the comments; submit to the department for approval any necessary changes to the design and operation of the facility so as to be in compliance with currently applicable law and rules; and submit to the department an updated violation history disclosure statement.

7. Authorization to Operate

When requesting Authorization to Operate for all subsequent phases, two (2) copies of a written report shall be submitted containing all QA/QC data results, as-built drawings, drawing(s) showing details of inter-phase berms and the tie-in of liner elements to previously constructed phases, and a Missouri registered professional engineer's certification that each was constructed as per the department approved engineering design plans and specifications. The certification shall be signed and dated by both the permittee and the Missouri registered professional engineer. The report and certification must be approved by the SWMP before Authorization to Operate for that phase will be issued.

8. Surface Water Control

Before an Operating Permit will be issued, the permittee shall provide correspondence to the department showing that all applicable permits and design approvals have been acquired from the WPCP. As related to design approvals, the WPCP will need to issue a construction permit for each sedimentation pond.

9. Gas Monitoring Wells

A. Gas monitoring shall be required as per the enclosed document entitled Prairie View Regional Waste Facility, Environmental Monitoring Plan, Barton County, Missouri Permit Number 101104, dated June 30, 1997, which is hereby incorporated by reference into solid waste Permit Number 10114.

B. Two copies of the boring log and installation record for each gas monitoring well shall be submitted to the SWMP for approval within thirty (30) days of the completion of the well installation.

SITE SPECIFIC CONDITIONS

1. Leachate Recirculation System

   Prior to installation of a leachate recirculation system, detailed plans shall be submitted and approved by the SWMP.

2. Statistical Evaluation of Groundwater Data

   A. The permittee shall submit a proposal for a specific statistical testing strategy to the SWMP for approval. The SWMP shall be notified and allowed to review any further changes in the statistical evaluation as they occur.

   B. The permittee shall notify the SWMP of any statistical deviations in the groundwater data as they occur.

3. Required Approval

   A U.S. Army Corps of Engineers, Nationwide 404 Permit shall be obtained prior to construction in the permitted boundaries.

DISPOSAL AREA DESCRIPTION

The types of waste to be accepted shall consist of municipal solid waste, certain bulky waste, demolition and construction waste, wood waste (except yard waste), soil, rock, and concrete. Any non-hazardous special wastes as defined in 10 CSR 80-2.010, which pass a paint filter test, may be accepted at the facility in accordance with 10 CSR 80-3.010(2)(C)4. Waste listed in 10 CSR 80-3.010(3)(A) shall not be disposed of at the landfill.

The area fill method of sanitary landfill operation shall be utilized. The excavation depths and solid waste fill locations shall be completed as shown on the approved engineering plans and specifications. Upon completion of the disposal area, the final cover shall be graded, limed, fertilized as needed, and seeded with grasses to control erosion. Continued maintenance of the area shall be provided in accordance with the approved post-closure plan.

All fencing, gates, equipment maintenance buildings, all-weather access roads, signs, surface-water control devices, leachate

treatment facilities, operating equipment, standby equipment, and other necessary appurtenances shall be provided as per the approved plans, specifications, and operating procedures. The plans, specifications, and operating procedures described above have been examined as to engineering features of design which might affect the operation of the solid waste disposal area as a sanitary landfill.

MODIFICATION AND TERMINATION OF PERMIT

The department reserves the right to revoke, suspend, or modify this addendum and/or Permit Number 101104 if the permit holder fails to maintain the facility in compliance with the state's Solid Waste Management Law and regulations, the terms and conditions of the permit, and the approved engineering plans and specifications.

If you have any questions, please contact the SWMP at (573) 751-5401 or P. O. Box 176, Jefferson City, Missouri 65102.

Very truly yours,

DEPARTMENT OF NATURAL RESOURCES

David A. Shorr
Director

DAS:kfb

Enclosures

c: Senator Morris Westfall, Missouri Senator
Representative Martin (Bubs) Hohulin, Missouri House of Representative
Mayor Gerald Gilkey, City of Lamar
Presiding Commissioner Gary Frieden, Buchanan County
Lee D. Tharp, P.E., Midwest Environmental Consultants, P.C.
Mr. Bud Powell, Chairperson, Region M SWMD
Southwest Regional Office

GROUNDWATER MONITORING PROGRAM
Prairie View Regional Waste Facility
Permit Number 101104
Barton County
July 31, 1997

A. Monitoring Points

The Solid Waste Management Program (SWMP) under the direction of the Division of Geology and Land Survey (DGLS) has developed the following monitoring plan for Prairie View Regional Waste Facility, Permit Number 101104. This monitoring plan has been developed from available data on the hydrogeology.

The upgradient or downgradient designation of monitoring wells shall be determined by the DGLS Environmental Geology Section and SWMP.

The monitoring points listed in Table I below are those for which Browning-Ferris Industries of Springfield, Inc., is responsible to report bailing, purging, sampling and field observations, and to provide representative sampling parameter analyses from the Prairie View Regional Waste Facility. The original location of proposed monitoring point designations and the SWMP's four digit monitoring point numbers are listed below for each point. These four digit numbers shall appear on subsequent groundwater monitoring reports submitted for any semi-annual sampling events. These monitoring numbers shall be referenced in future correspondence associated with this permit.

UPGRADIENT/ DOWNGRADIENT	MONITORING WELL LOCATION	FOUR DIGIT MONITORING NUMBER
Upgradient	MW-1 to be located at N503325, E2843000 in the Weir Formation.	0401
Upgradient	MW-2 to be located at N503790, E2842200 in the Bluejacket Formation.	0402
Upgradient	MW-3 to be located at N504330, E2841770 in the Weir Formation.	0403
Upgradient	MW-4 to be located at N504870, E2841365 in the Weir Formation.	0404

UPGRADIENT/ DOWNGRADIENT	MONITORING WELL LOCATION	FOUR DIGIT MONITORING NUMBER
Upgradient	MW-5 to be located at N505645, E2841235 in the Weir Formation.	0405
Downgradient	MW-6 to be located at N506220, E2842285 in the Weir Formation.	0406
Downgradient	MW-7 to be located at N506210, E2842635 in the Weir Formation.	0407
Downgradient	MW-8 to be located at N506015, E2843200 in the Weir Formation.	0408
Downgradient	MW-9 to be located at N505695, E2843600 in the Weir Formation.	0409
Downgradient	MW-10 to be located at N505215, E2843930 in the Weir Formation.	0410
Downgradient	MW-11 to be located at N504790, E2844355 in the Weir Formation.	0411
Downgradient	MW-12 to be located at N504310, E2845695 in the Weir Formation.	0412
Downgradient	MW-13 to be located at N503890, E2844310 in the Weir Formation.	0413

DGLS shall be notified prior to mobilization of drilling so that on-site technical assistance can be provided to the driller and site manager.

Field investigations shall include a descriptive log as noted in the guidance document entitled, APPENDIX 1, GUIDANCE FOR CONDUCTING AND REPORTING DETAILED GEOLOGIC AND HYDROLOGIC INVESTIGATIONS AT A PROPOSED SOLID WASTE

DISPOSAL AREA. At the time of construction of each monitoring well, full details concerning the drilling procedures and development shall be reported to the SWMP and DGLS before the department will grant approval for each well. The information and data submitted to the SWMP and DGLS shall include, but not be limited to:

1. Depth and lithologic description of all water bearing or saturated zones encountered during drilling;

2. Descriptions of all geologic materials encountered and sampled during drilling, including: lithology, mineralogy, texture, grain-size, color, fossil occurrence, percent sample recovery, and primary/secondary porosity features;

3. Changes in porosity and degrees of saturation of all geologic materials encountered, (e.g., dry, damp, moist, wet, and/or saturated) including their associated depths from the ground surface;

4. Water level depths measured from the ground surface immediately following daily final drilling activity and measured preceding any subsequent drilling activity;

5. Complete records of drilling fluid volumes, including any lost fluid volumes and depths at which they are lost;

6. Complete records of recovered (lost) fluids prior to installation and development of well;

7. A description of all sources and chemical analyses of potable water used in drilling or boring, analyzing for the same chemical parameters as specified in the attached Groundwater Monitoring Parameters to establish baseline groundwater quality;

8. Complete details or method(s) of drilling, including starting and ending times, depth and location of any drilling equipment refusals;

9. Measurements of drilling rate, including pressure gauges or weights on bit read during drilling and coring;

10. Measurements of soil sampling advance, (e.g. loads on the sampling device as specified by the weight or number of blow counts to sample and/or refusal);

11. Complete details of well development, including starting and ending times;

12. Appearance of well fluids before, during, and after development;

13. Records of indicator parameters monitored throughout development;

14. Initial and final water levels immediately prior and immediately after development;

15. Initial well bore fluid volume (gallons);

16. Initial depth of well prior to development in feet from a specified point;

17. Total depth of well immediately after development from a specified point;

18. Total volume (gallons) evacuated during development;

19. Complete copies of all field notes;

20. Complete copies of monitoring well construction summaries having north and east location survey coordinates;

21. Complete copies of monitoring well boring logs having detailed soil and lithologic graphics/descriptions; and

22. Complete copies of the Monitoring Well Certification Record.

Existing or new wells improperly constructed, or screened to monitor improper or inadequate zones shall be abandoned as per 10 CSR 23-4.

All wells shall be constructed in accordance with Missouri Department of Natural Resources Well Construction Regulations 10 CSR 23-1 through 6.

As per the monitoring well construction standards cited above, each well borehole shall be at least four (4) inches larger than the outside diameter of the casing used.

Well construction (including locking cap security casing) shall be completed the same day the well casing is installed.

No wells shall be located in swales, drainage ditches or any place where water can accumulate around a well.

Suggested monitoring well locations are based on hydrogeologic and topographic information and do not take

into account the location of any man-made alterations to the site. Alternate locations may be required if conflicts arise with the suggested locations. Depending on the findings of shallow horizon monitoring, surface water monitoring may be required at a later date.

Background water levels, including any seasonal variations, shall be established. Water levels shall be measured monthly on all completed piezometers and monitoring wells within the permitted boundaries of Permit Number 101104 until DGLS has established the direction of groundwater flow. Monthly water level measurements shall be obtained for all completed piezometers and monitoring wells during one, 24-hour time period. Water level data and potentiometric surface maps for each groundwater flow horizon shall be provided monthly to DGLS and the SWMP.

B. Sampling Frequency/Parameters

I. Baseline/Background Sampling

Baseline/background sampling shall consist of at least four independent samples as described in 10 CSR 80-3.010(11)(C)3. for all monitoring points designated in this document and any added monitoring point. A minimum of four (4) independent samples shall be taken over the first four quarters after the date of this letter and after the date of development of any new monitoring point. Each baseline/background sample shall be analyzed for the groundwater monitoring parameters contained in the enclosed list entitled Groundwater Monitoring Parameters. During baseline sampling, both upgradient and downgradient wells shall be sampled during the first, second, third, and fourth quarters of a year for the parameters contained in the enclosed lists. A background database shall be established only from upgradient wells at existing landfills. More than four (4) quarters of baseline/background data may be collected as possible, prior to taking the first load of waste at a new landfill to establish a better baseline database for statistical comparisons.

II. Detection Monitoring

After background sampling has been completed, all monitoring wells shall be sampled semi-annually for the parameters contained in the enclosed list.

All sampling results shall be submitted to the department's SWMP within ninety (90) days from the date

the sample is obtained. Upon notification of the SWMP, permittee shall submit the results in an electronic format.

III. Assessment Monitoring

Permittee shall follow the procedures outlined in 10 CSR 80-3.010(11)(C)6. as a response to any statistical analysis showing a significant difference in groundwater sampling results.

C. Groundwater Monitoring Program

All groundwater sampling and reporting shall be conducted in accordance with the enclosed department technical bulletin entitled Collection, Handling and Reporting Procedures for Groundwater Sampling, dated December 1994, except for sampling frequency. Only semi-annual sampling is required during detection monitoring.

Statistical analyses of groundwater data or additional hydrogeologic characterization through subsurface sampling and testing could alter the interpretation of previous hydrogeologic investigations. Approval of this Groundwater Monitoring Program does not preclude future revision.

D. Inquiries

All inquiries concerning these reporting procedures and/or any discussion of possible deviations from these reporting procedures shall first be directed to the SWMP at (573) 751-5401 for consideration by the department.

Attachment

GROUNDWATER MONITORING PARAMETERS

Inorganic and Other Parameters

Ammonia as N (NH_3)
Antimony (Sb)
Arsenic (As)
Barium (Ba)
Beryllium (Be)
Boron (B)
Cadmium (Cd)
Calcium (Ca)
Chemical Oxygen Demand (COD)
Chlorides (Cl)
Chromium (Cr)
Cobalt (Co)
Copper (Cu)
Fluoride (Fl)
Hardness (calculated)
Iron (Fe)
Lead (Pb)
Magnesium (Mg)
Manganese (Mn)
Mercury (Hg)
Nickel (Ni)
Nitrate/Nitrite (NO_3/NO_2)
pH
Total Phosphorus (P)
Selenium (Se)
Silver (Ag)
Sodium (Na)
Specific Conductance
(Conductivity at 25° C)
Sulfate (SO_4)
Thallium (Tl)
Total Dissolved Solids (TDS)
Total Organic Carbon (TOC)
Vanadium (Va)
Zinc (Zn)
Groundwater Elevation
(This is the only parameter for a piezometer.)

Organic Parameters

Acetone
Acrylonitrile
Benzene
Bromochloromethane
Bromodichloromethane
Tribromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Trichloromethane
Chlorodibromomethane
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
1,2-Dichlorobenzene
1,4-Dichlorobenzene
trans-1,4-Dichloro-2-butene
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethylbenzene
2-Hexanone
Bromomethane
Chloromethane
Dibromomethane
Dichloromethane
2-Butanone
Iodomethane
4-Methyl-2-pentanone
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Toluene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl acetate
Vinyl chloride
Xylenes

ALL METALS ARE TOTAL - DO NOT FIELD FILTER SAMPLES
ALL FIELD OBSERVATIONS SHOULD BE REPORTED ON THE SWMP'S FORMS OR IN THE ELECTRONIC FORMAT DESCRIBED BY THE DEPARTMENT.

REPUBLIC SERVICES

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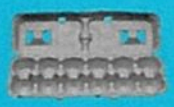
PLACE ALL ACCEPTABLE RECYCLABLES IN CART WITH LIGHT BLUE LID!


Opened mail & greeting cards


Paper egg cartons


Paperboard boxes



#1-7 plastic tubs & screw-top jars



#1-7 plastic bottles & jugs



Paper & hard-back books


File folders


Shredded Paper


Cans
(DO NOT CRUSH OR FLATTEN)


Pizza Boxes


Magazines, brochures & catalogs


White or pastel office paper

NOT recyclable

- Glass
- Plastic bags
- Plastic lids & caps
- Scrap metal
- Tyvek® envelopes
- Plastic 6-pack holders
- Needles or syringes
- Paper juice or Paper milk containers
- Plastic microwave trays
- Frozen food, ice cream or frozen juice containers
- Mirrors, ceramics or Pyrex®
- Light bulbs, plates or vases
- Drinking glasses, window glass
- Hazardous or bio-hazardoes waste
- Plastics other than those listed
- Tissues, paper towels, napkins
- Waxed paper or waxed cardboard
- Kraft® (orange/brown) envelopes
- Styrofoam® or paper to-go containers


Newspapers & inserts
(NO BAGS)


Clean, balled aluminum foil
(2" OR LARGER)
& pie pans


Empty aerosol cans
(NO CAPS)

NO NEED TO REMOVE: paper clips, stamps, address labels, staples, tape, wire, metal fasteners, rubber bands, spiral bindings, plastic tabs.

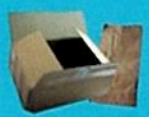
PLEASE FLATTEN ALL CARDBOARD BOXES.
EMPTY AND RINSE ALL CONTAINERS
DO NOT FLATTEN CONTAINERS


Phone Books


Loose metal jar lids & steel bottle caps

PLEASE FOLLOW THESE GUIDELINES CAREFULLY.

Please visit us online at republicservices.com.
Contact Customer Service at 1-800-627-1717 if you have any questions.


Corrugated cardboard & paper bags





REPUBLIC SERVICES

Residential Container Standards



Container System

Our container system will allow customers to distinguish between carts by matching a lid color type to a waste stream. The addition of light blue for our recyclable containers is to maintain focus on the idea of protecting our Blue Planet™ while differentiating us from our competition. Light blue also helps customers more easily identify their recyclables and helps drivers make an easier distinction between recyclables and MSW even in low light situations. This container system represents the new standard that will be used and offered to customers in every possible circumstance.



TRASH
Republic Blue 44



RECYCLABLES
Light Blue 65



~~YARD WASTE~~
~~Brown~~



~~ORGANICS~~
~~Black 60~~

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To obtain approval for deviations from the new cart color scheme, please contact Roy Svehla at rsvehla@republicservices.com prior to ordering carts.

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