

Statement of Basis for Uintah County Municipal Landfill Class I and IVa Permit Renewal Application

The following Statement of Basis includes the permit writer's comments on the Permit Renewal Application and its compliance with applicable rules.

Part I – General Information Form

The Part I Form is complete and is found in Part I of the application – Doug Taylor

Part II – Application Checklist

I. Facility General Information

Ia. Information Required - All Class 1 and V Landfills

Completed Part 1 General information Form (See above)	Part I
I have reviewed the form and found it to be complete – Doug Taylor	
General description of the facility (R315-310-3(1)(b))	Section 2.2
I have reviewed this and found it to be complete – Doug Taylor	
Legal description of property (R315-310-3(1)(c))	Section 2.3
I have reviewed this and found it to be complete – Doug Taylor	
Proof of ownership, lease agreement, or other mechanism (R315-310-3(1) (c))	Appendix A
I have reviewed this and found it to be complete – Doug Taylor	
Area served by the facility including population (R315-310-3(1)(d))	Section 2.2
I have reviewed this and found it to be complete – Doug Taylor	
If the permit application is for a Class 1 landfill a demonstration that the landfill is not a commercial facility	Section 1.1
I have reviewed this and found it to be complete – Doug Taylor	
Waste type and anticipated daily volume (R315-310-3(1)(d))	Sec. 2.2, 5.1, 5.13
This information was found missing originally, but was submitted to the Division by email on January 13, 2015, Doc # 2015-001677.	
I have reviewed this and found it to be complete – Doug Taylor	

Ib. Information Required - All New or Laterally Expanding Class 1 and V Landfills

Intended schedule of construction (R315-302-2(2) (a))	Not Applicable
I have reviewed this and found it to be complete – Doug Taylor	

Name and address of all property owners within 1000 feet of the facility boundary (R315-310-3(2)(a)(i)) Appendix J

This information, originally missing was submitted in the January 5, 2015, Doc # 2015-001144.

I have reviewed this and found it to be complete – Doug Taylor

Documentation that a notice of intent to apply for a permit has been sent to all property owners listed above (R315-310-3(2)(ii)) Section 2.4 and Appendix J

This information, originally missing was submitted in the January 5, 2015, Doc # 2015-001144.

I have reviewed this and found it to be complete – Doug Taylor

Name of the local government with jurisdiction over the facility site (R315-310-3(2)(iii)) Sections 1.4 and 2.3

I have reviewed this and found it to be complete – Doug Taylor

Ic. Location Standards - All New or Laterally Expanding Class 1 and V Landfills (R315-302-1)

Documentation that the facility has met the historical survey requirement of R315-302-1 (2)(f) Appendix C

I have reviewed this and found it to be complete – Doug Taylor

Land use compatibility (R315-302-1 (2)(a)) Appendix C

I have reviewed this and found it to be complete – Doug Taylor

Maps showing the existing land use, topography, residences, parks, monuments, recreation areas or wilderness areas within 1000 feet of the site boundary Appendix C

I have reviewed this and found it to be complete – Doug Taylor

Certifications that no ecologically or scientifically significant areas or endangered species are present in site area Appendix C

I have reviewed this and found it to be complete – Doug Taylor

List of airports within five miles of facility and distance to each Appendix C

I have reviewed this and found it to be complete – Doug Taylor

Geology (R315-302-1 (2)(b))

Geologic maps showing significant geologic features, faults, and unstable areas Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Maps showing site soils Section 3.1; Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Surface water (R315-302-1 (2)(c))	
Magnitude of 24 hour 25 year and 100 year storm events	Appendix C
I have reviewed this and found it to be complete – Doug Taylor	
Average annual rainfall	Appendix C; Table 2
I have reviewed this and found it to be complete – Doug Taylor	
Maximum elevation of flood waters proximate to the facility	Appendix C
I have reviewed this and found it to be complete – Doug Taylor	
Maximum elevation of flood water from 100 year flood for waters proximate to the facility	Appendix C
Wetlands (R315-302-1 (2)(d))	Appendix C
I have reviewed this and found it to be complete – Doug Taylor	
Ground water (R315-302-1 (2)(e))	Appendix C
I have reviewed this and found it to be complete – Doug Taylor	

Id. Plan of Operations Requirements - All Class 1 and IV Landfills (R315-310-3(1) (e) and R315-302-2(2))

Forms and other information as required in R315-302-2(3) including a description of on-site waste handling procedures and an example of the form that will be used to record the weights or volumes of waste received (R315-302-2(2)(b)and R315-310-3(1)(f))	Appendix H
I have reviewed this and found it to be complete – Doug Taylor	
Schedule for conducting inspections and monitoring, and examples of the forms that will be used to record the results of the inspections and monitoring (R315-302-2(2)(c), R315-302-2(5)(a), and R315-310-3(1)(g))	Section 5.1; Appendix H
I have reviewed this and found it to be complete – Doug Taylor	
Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))	Section 5.10
I have reviewed this and found it to be complete – Doug Taylor	
Corrective action programs to be initiated if ground water is contaminated (R315-302-2(2)(e))	Not Applicable
I have reviewed this and found it to be complete – Doug Taylor	
Contingency plans for other releases, e.g. explosive gases or failure of run-off collection system (R315-302-2(2)(f))	Sections 4.5; 5.10
I have reviewed this and found it to be complete – Doug Taylor	

Plan to control fugitive dust generated from roads, construction, General operations, and covering the waste (R315-302-2(2)(g))	Section 5.8
I have reviewed this and found it to be complete – Doug Taylor	
Plan for litter control and collection (R315-302-2(2)(h))	Section 5.8
I have reviewed this and found it to be complete – Doug Taylor	
Description of maintenance of installed equipment (R315-302-2(2)(i))	Section 5.2.1
I have reviewed this and found it to be complete – Doug Taylor	
Procedures for excluding the receipt of prohibited hazardous or PCB containing wastes (R315-302-2(2)(j))	Sections 5.9; 5.10
I have reviewed this and found it to be complete – Doug Taylor	
Procedures for controlling disease vectors (R315-302-2(2)(k))	Section 5.10
I have reviewed this and found it to be complete – Doug Taylor	
A plan for alternative waste handling (R315-302-2(2)(l))	Sections 5.9; 5.10
I have reviewed this and found it to be complete – Doug Taylor	
A general training plan for site operations (R315-302-2(2)(o))	Sections 5.12; 5.13
I have reviewed this and found it to be complete – Doug Taylor	
Any recycling programs planned at the facility (R315-303-4(6))	None discussed
I have reviewed this and found it to be complete – Doug Taylor	
Closure and post-closure care Plan (R315-302-2(2)(m))	Chapter VI
I have reviewed this and found it to be complete – Doug Taylor	
Procedures for the handling of special wastes (R315-315)	Section 5.13
I have reviewed this and found it to be complete – Doug Taylor	
Plans and operation procedures to minimize liquids (R315-303-3(1))	Section 5.13
I have reviewed this and found it to be complete – Doug Taylor	
Plans and procedures to address the requirements of R315-303-3(7)(c) through (i) and R315-303-4	Chapter V
I have reviewed this and found it to be complete – Doug Taylor	
Any other site specific information pertaining to the plan of operation required by the Executive Secretary (R315-302-2(2)(p))	Chapter V
I have reviewed this and found it to be complete – Doug Taylor	

Ie. Special Requirements - New or Laterally Expanding Class IV Landfill (R315-310-3(2))

Submit information required by the Utah Solid and Hazardous Waste Act Subsections 19-6-108(9) and 19-6-108(10) (R315-310-3(2)(a))

Chapter I

I have reviewed this and found it to be complete – Doug Taylor

Approval from the local government within which the solid waste facility is located

Appendix A

I have reviewed this and found it to be complete – Doug Taylor

II Facility Technical Information

IIa. Maps - All Class 1 and IV Landfills

Topographic map drawn to the required scale with contours showing the boundaries of the landfill unit, ground water monitoring well locations, gas monitoring points, and the borrow and fill areas (R315-310-4(2)(a)(i))

Section 4.1; Appendix B, Figure 1

I have reviewed this and found it to be complete – Doug Taylor

Most recent U.S. Geological Survey topographic map 7-1/2 minute series, showing the waste facility boundary; the property boundary; surface drainage channels; any existing utilities and structures within one-fourth mile of the site; and the direction of the prevailing winds (R315-310-4(2)(a)(ii))

Figures 1.1, 1.2, 1.3

I have reviewed this and found it to be complete – Doug Taylor

IIb, Geohydrological Assessment - All Class 1 and V Landfills - (R315-310-4(2)(b))

Local and regional geology and hydrology including faults, unstable slopes and subsidence areas on site (R315-310-4(2)(b)(i))

Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Evaluation of bedrock and soil types and properties including permeability rates (R315-310-4(2)(b)(ii))

Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Depth to ground water (R315-310-4(2)(b)(iii))

Section 4.5; Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Direction and flow rate of ground water (R315-310-4(2)(b)(iv))

Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Quantity, location, and construction of any private or public wells on-site or within 2,000 feet of the facility boundary (R315-310-4(2)(b)(v)) Appendix J

This information, originally missing was submitted in the January 5, 2015, Doc # 2015-001144

I have reviewed this and found it to be complete – Doug Taylor

Tabulation of all water rights for ground water and surface water on-site and within 2,000 feet of the facility boundary (R315-310-4(2)(b)(vi)) Appendix J

This information, originally missing was submitted in the January 5, 2015, Doc # 2015-001144.

I have reviewed this and found it to be complete – Doug Taylor

Identification and description of all surface waters on-site and within one mile of the facility boundary (R315-310-4(2)(b)(vii)) Section 4.4.3

I have reviewed this and found it to be complete – Doug Taylor

Background ground water and surface water quality assessment and, for an existing facility, identification of impacts upon the ground water and surface water from leachate discharges (R315-310-4(2)(b)(viii)) Appendix B

I have reviewed this and found it to be complete – Doug Taylor

Ground Water Monitoring (R315-303-3(7)(b) and R315-308) Section 4.4.5

The landfill meets the waiver to monitor ground water. It lies on 3000 feet of Mancos Shale, a very tight, non-transmissive geologic formation described in Sec 4.4.5 of the Permit Application.

I have reviewed this and found it to be complete – Doug Taylor

Statistical method to be used (R315-308-2(8)) N/A

Calculation of site water balance (R315-310-4(2)(b)(ix)) Section 4.12

I have reviewed this and found it to be complete – Doug Taylor

IIc. Engineering Report - Plans, Specifications, and Calculations

Documentation that the facility will meet all of the performance standards of R315-303-2 Chapter VI

I have reviewed this and found it to be complete – Doug Taylor

Engineering reports required to meet the location standards of R315-302 including documentation of any demonstration or exemption made for any location standard (R315-310-4(2)(c)(i)) Section 4.5; Appendix C

I have reviewed this and found it to be complete – Doug Taylor

Anticipated facility life and the basis for calculating the facility's life (R315-310-4(2)(c)(ii))	Section 1.1
I have reviewed this and found it to be complete – Doug Taylor	
Cell design to include liner design, cover design, fill methods, elevation of final cover including plans and drawings signed and sealed by a professional engineer registered in the State of Utah (R315-303-3(3), R315-303-3(6) and (7)(a), R315-310-3(1)(b) and R315-310-4(2)(c)(iii))	Section 4.5..2
I have reviewed this and found it to be complete – Doug Taylor	
Leachate collection system design and calculations showing system meets the requirements of R315-303-3(2)	N/A
The Landfill does not monitor for leachate. A monitoring sump is discussed in Section 4.4, of the Permit Application, if required. I have reviewed this and found it to be complete – Doug Taylor	
Equipment requirements and availability (R315-310-4(2)(c)(iii))	Section 5.21
I have reviewed this and found it to be complete – Doug Taylor	
Identification of borrow sources for daily and final cover and for soil liners (R315-310-4(2)(c)(iv))	Appendix C
I have reviewed this and found it to be complete – Doug Taylor	
Run-On and run-off diversion designs (R315-303-3(1)(c), (d) and (e))	Section 4.7
I have reviewed this and found it to be complete – Doug Taylor	
Leachate collection, treatment, and disposal and documentation to show that any treatment system is being or has been reviewed by the Division of Water Quality (R315-310-4(2)(c)(v) and R315-310-3(1)(i))	N/A
I have reviewed this and found it to be complete – Doug Taylor	
Ground water monitoring plan that meets the requirements of Rule R315-308 including well locations, design, and construction (R315-310-4(2)(b)(x) and R315-310-4(2)(c)(vi))	Appendix B
I have reviewed this and found it to be complete – Doug Taylor	
Landfill gas monitoring and control plan that meets the requirements of Subsection R315-303-3(5) (R315-310-4(2)(c)(vii))	Section 4.5.5
I have reviewed this and found it to be complete – Doug Taylor	
Slope stability analysis for static and under the anticipated seismic event for the facility (R315-310-4(2)(b)(i) and R315-302-1(2)(b)(ii))	Section 3.14
I have reviewed this and found it to be complete – Doug Taylor	

Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))	Section 4.7
I have reviewed this and found it to be complete – Doug Taylor	
IId. Closure Plan-All Class 1 and V Landfills (R315-310-3(1)(h))	
Closure Plan (R315-302-3(2) and (3))	Chapter VI
I have reviewed this and found it to be complete – Doug Taylor	
Closure schedule (R315-310-4(2)(d)(i))	Section 6.3
I have reviewed this and found it to be complete – Doug Taylor	
Design of final cover (R315-303-3(4) and R315-310-4(2)(c)(iii))	Section 6.2
I have reviewed this and found it to be complete – Doug Taylor	
Capacity of site in volume and tonnage (R315-310-4(2)(d)(ii))	Part I
I have reviewed this and found it to be complete – Doug Taylor	
Final inspection by regulatory agencies (R315-310-4(2)(d)(iii))	Section 6.3
I have reviewed this and found it to be complete – Doug Taylor	
IIE. Post-Closure Care Plan - All Class 1 and V Landfills (R315-310-3(1)(h))	
Post-Closure Plan (R315-302-3(5) and (6))	Appendix E
I have reviewed this and found it to be complete – Doug Taylor	
Site monitoring of landfill gases, ground water, and surface water, if required (R315-310-4(2)(e)(i))	Table 6.1
I have reviewed this and found it to be complete – Doug Taylor	
Changes to record of title, land use, and zoning restrictions (R315-310-4(2)(e)(v))	Section 6.5; Section 2.3
I have reviewed this and found it to be complete – Doug Taylor	
Maintenance activities to maintain cover and run-on/run-off control systems (R315-310-4(2)(e)(iii))	Table 6.1
I have reviewed this and found it to be complete – Doug Taylor	
List the name, address, and telephone number of the person or office to contact about the facility during the post-closure care period (R315-310-4(2)(e)(vi))	Section 6.5
I have reviewed this and found it to be complete – Doug Taylor	

II. Financial Assurance - All Class 1 and V Landfills (R315-310-3(1)(j))

Identification of closure costs including cost calculations (R315-310-4(2)(d)(iv)) and (R315-302-2(2)(n))

Appendix G, 7.1

The permit application had 2008 information. It was replaced with the, 2014, costs from the 2014 annual report.

I have reviewed this and found it to be complete – Doug Taylor

Identification of post-closure care costs including cost calculations (R315-310-4(2)(e)(iv))

Appendix G, 7.1

I have reviewed this and found it to be complete – Doug Taylor

Identification of the financial assurance mechanism that meets the requirements of Rule R315-309 and the date that the mechanism will become effective (R315-309-1(1))

Appendix G, 7.1

Utah County will use the local Government text for its Financial mechanism.

I have reviewed this and found it to be complete – Doug Taylor