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FEB 21 2001

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY

Division Of Solid & Hazardous Waste
Utah Dept-of Environmental Quality

DIVISION OF SOLID AND HAZARDOUS WASTE

APPLICATION FOR A PERMIT TO OPERATE A CLASS I OR CLASS V LANDFILL

The applicant shall submit, in duplicate, an original permit application, a general report, and a technical report to:

Dennis R. Downs, Director
Division of Solid and Hazardous Waste
Utah Department of Environmental Quality
PO Box 144880
Salt Lake City, Utah 84114 - 4880

PART I - GENERAL INFORMATION

- 1. Name of Facility ECDC Environmental, L.C.
- 2. Site Location East Carbon, Utah
- 3. Facility Owner Allied Waste Services
- 4. Facility Operator ECDC Environmental, L.C.
- 5. Contact Person Kirk Treece
Address 1111 West Highway 123
P.O. Box 69
East Carbon, Utah 84520
Telephone 435-888-4418 Ext. 25

6. Type of Facility:

- Class I Landfill
- Class V Landfill

7. Type of Application:

- Initial Application
- Permit Renewal (Original Permit #9422)

8. Property Ownership

- Presently owned by applicant
- To be purchased by applicant
- To be leased by applicant

Property owner (if different from applicant)

Name _____

Address _____

Telephone _____

9. Certification of submitted information.

Kirk Treece
(Name of Official)

Facility Manager
(Title)

I certify under penalty of law that this document and all Appendixs were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date _____

SUBSCRIBED AND SWORN to before This _____ day of _____,
19____.

My commission expires on the _____ day of _____, 19_____.

Notary Public in and for

(SEAL) _____ County, Utah.

Class V Landfill Permit Renewal Application
ECDC Environmental, L.C. Facility

- Item #1** ***General description of the facility (R315-310-3(1)(b))***
a general description of the facility accompanied by *facility plans and drawings* and the facility plans and drawings shall be signed and sealed by a professional engineer registered in the State of Utah.
- Item #2** ***Legal description; proof of ownership, lease agreement, or other mechanism; latitude and longitude of the site; and land use and zoning of surrounding area (R315-310-3(1)(c))***
a legal description and proof of ownership, lease agreement, or other mechanism approved by the Executive Secretary of the proposed site, latitude and longitude map coordinates of the facility's front gate, and maps of the proposed facility site including land use and zoning of the surrounding area
- Item #3** ***The types of waste and area served by the facility (R315-310-3(1)(d))***
the types of waste to be handled at the facility and area served by the facility
- PLAN OF OPERATION (R315-310-3(1)(e))**
the plan of operation required by Subsection R315-302-2(2)
- Item #4** ***An intended schedule of construction (R315-302-2(2)(a))***
an intended schedule of construction. Facility plan approvals will be reviewed by the Executive Secretary no later than 18 months after the permit is issued and periodically thereafter, to determine if the schedule of construction is reasonably being followed. Failure to comply with the schedule of construction may result in revocation of the plan approval
- Item #5** ***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))*** a description of on-site solid waste handling procedures during the active life of the facility. the form used to record weights or volumes of wastes received required by Subsection R315-302-2(3)(a)(i)
- Item #6** ***A 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) and R315-310-3(1)(g))*** a schedule for conducting inspections and monitoring for the facility. an inspection schedule and inspection log required by Subsection R315-302-2(5)(a)
- Item #7** ***Contingency plans in the event of a fire or explosion (R315-302-2(2)(d))***
contingency plans in the event of a fire or explosion

Class V Landfill Permit Renewal Application
ECDC Environmental, L.C. Facility

- Item #8** ***Corrective action programs to be initiated if ground water is contaminated (R315-302-2(2)(e))***
corrective action programs to be initiated if ground water is contaminated
- Item #9** ***Contingency plans for other releases, e.g. explosive gases or failure of run-off collection system (R315-302-2(2)(f))*** contingency plans for other releases, e.g. release of explosive gases or failure of run-off containment system
- Item #10** ***A plan to control fugitive dust generated from roads, construction, general operations, and covering the waste (R315-302-2(2)(g))*** a plan to control fugitive dust generated from roads, construction, general operations, and covering the waste
- Item #11** ***Description of maintenance of installed equipment (R315-302-2(2)(h))***
a description of maintenance of installed equipment including leachate and gas collection systems, and ground water monitoring systems
- Item #12** ***Procedures for excluding the receipt of regulated hazardous or PCB containing waste (R315-302-2(2)(i))*** procedures for excluding the receipt of regulated hazardous waste or regulated waste containing PCBs
- Item #13** ***Procedures for controlling disease vectors (R315-302-2(2)(j))***
procedures for controlling disease vectors
- Item #14** ***A plan for alternative waste handling (R315-302-2(2)(k))***
a plan for an alternative waste handling or disposal system during periods when the solid waste facility is not able to dispose of solid waste, including procedures to be followed in case of equipment breakdown
- Item #15** ***A general training and safety plan for site operations (R315-302-2(2)(n))***
a general training and safety plan for site operators
- Item #16** ***Any recycling programs planned at the facility (R315-303-4(6))***
(6) Recycling Required.
(a) An owner or operator of a landfill at which the general public delivers household solid waste shall provide containers in which the general public may place recyclable materials for which a market exists that are brought to the site:
(i) during the normal hours of operation; and
(ii) at a location convenient to the public, i.e., near the entrance gate.
(b) An owner or operator may demonstrate alternative means to providing an opportunity for the general public to recycle household solid waste.

- Item #17** *Any other site specific information pertaining to the plan of operation required by the Executive Secretary (R315-302-2(2)(o))*
other information pertaining to the plan of operation as required by the Executive Secretary

SPECIAL REQUIREMENTS FOR A CLASS V LANDFILL (R315-310-3(2))

- Item #18** *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))* The Executive Secretary will require and review the information set forth in Subsections 19-6-108(9) and 19-6-108(10) as part of the permitting process

Note: After the receipt of a solid waste permit, a Class V Landfill must receive approval from the local government, the Legislature, and the governor prior to the start of construction and operation (R315-310-3(2)(b)) Subsection 19-6-108(3)(c) requires that after receiving a permit from the Executive Secretary, commercial solid waste disposal facilities must be approved by the local government, the governor, and the Legislature

PART III TECHNICAL REPORT

MAPS

- Item #19** *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))*
topographic map of the landfill unit drawn to a scale of 200 feet to the inch containing five foot contour intervals where the relief exceeds 20 feet and two foot contour intervals where the relief is less than 20 feet, showing the boundaries of the landfill unit, ground water monitoring wells, landfill gas monitoring points, and borrow and fill areas
- Item #20** *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))* the most recent full size U.S. Geological Survey topographic map, 7-1/2 minute series, if printed, or other recent topographic survey of equivalent detail of the area, showing the waste facility boundary, the property boundary, surface drainage

channels, existing utilities, and structures within one-fourth mile of the facility site, and the direction of the prevailing winds

GEOHYDROLOGICAL ASSESSMENT (R315-310-4(2)(b))

- Item #21** *Local and regional geology and hydrology including faults, unstable slopes and subsidence areas on site (R315-310-4(2)(b)(i))* local and regional geology and hydrology, including faults, unstable slopes and subsidence areas on site
- Item #22** *Evaluation of bedrock and soil types and properties including permeability rates (R315-310-4(2)(b)(ii))* evaluation of bedrock and soil types and properties, including permeability rates
- Item #23** *Depth to ground water (R315-310-4(2)(b)(iii))* depths to ground water or aquifers
- Item #24** *Direction and flow rate of ground water (R315-310-4(2)(b)(iv))* direction and flow rate of ground water
- Item #25** *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))* quantity, location, and construction of any private and public wells on the site and within 2,000 feet of the facility boundary
- Item #26** *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))* tabulation of all water rights for ground water and surface water on the site and within 2,000 feet of the facility boundary
- Item #27** *Identification and description of all surface waters on-site and within one mile of the facility boundary (R315-310-4(2)(b)(vii))* identification and description of all surface waters on the site and within one mile of the facility boundary
- Item #28** *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))* background ground and surface water quality assessment and identification of impacts of the existing facility upon ground and surface waters from landfill leachate discharges
- Item #29** *Calculation of site water balance (R315-310-4(2)(b)(ix))*

calculation of a site water balance

ENGINEERING REPORT - PLANS, SPECIFICATIONS, AND CALCULATIONS

- Item #30** *How the facility meets the location standards of R315-302-1 including documentation of any demonstration made with respect to any location standard (R315-310-4(2)(c)(i))* how the facility will meet the location standards pursuant to Section R315-302-1 including documentation of any demonstration made with respect to any location standard.
- Item #31** *The basis for calculating the facility's life (R315-310-4(2)(c)(ii))* the basis for calculating the facility's life
- Item #32** *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 (R315-310-3(1)(b) and R315-310-4(2)(c)(iii))* a general description of the facility accompanied by facility plans and drawings and the facility plans and drawings shall be signed and sealed by a professional engineer registered in the State of Utah; cell design to include liner design, cover design, fill methods, elevation of final cover and bottom liner, and equipment requirements and availability
- Item #33** *Equipment requirements and availability (R315-310-4(2)(c)(iii))* cell design to include liner design, cover design, fill methods, elevation of final cover and bottom liner, and equipment requirements and availability
- Item #34** *Identification of borrow sources for daily and final cover and for soil liners (R315-310-4(2)(c)(iv))* identification of borrow sources for daily and final cover, and for soil liners
- Item #35** *Run-off or 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))* interim and final leachate collection, treatment, and disposal; documentation to show that any waste water treatment facility, such as a run-off or a leachate treatment system, is being reviewed or has been reviewed by the Division of Water Quality
- Item #36** *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))* conceptual design of a ground water and surface water

monitoring system, including proposed installation methods for these devices and where applicable, a vadose zone monitoring plan; ground water monitoring that meet the requirements of Rule R315-308

Item #37 *Landfill gas monitoring and control plan that meets the requirements of Subsection R315- 303-3(5) (R315-310-4(2)(c)(vii))*

Item #38 *Design and location of run-on and run-off control systems (R315-310-4(2)(c)(viii))*
design and location of run-on and run-off control systems

CLOSURE PLAN (R315-310-3(1)(h))

Item #39 *Closure schedule (R315-310-4(2)(d)(i))*
closure schedule

Item #40 *Design of final cover (R315-310-4(2)(c)(iii))*
cell design to include liner design, cover design, fill methods, elevation of final cover and bottom liner, and equipment requirements and availability

Item #41 *Capacity of site in volume and tonnage (R315-310-4(2)(d)(ii))*
capacity of site in volume and tonnage

Item #42 *Final inspection by regulatory agencies (R315-310-4(2)(d)(iii))*
final inspection by regulatory agencies

POST-CLOSURE CARE PLAN (R315-310-3(1)(h))

Item #43 *Site monitoring of landfill gases, ground water, and surface water, if required (R315-310- 4(2)(e)(i))* site monitoring of landfill gas, ground water, and surface water

Item #44 *Changes to record of title, land use, and zoning restrictions (R315-310-4(2)(e)(ii))*
changes to record of title, land use, and zoning restrictions

Item #45 *Maintenance activities to maintain cover and run-on/run-off control systems (R315-310-4(2)(e)(iii))* maintenance activities to maintain cover and run-on and run-off systems

Item #46 *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)(v))* list the name, address, and telephone number of the person or office to contact about the facility during the post-closure period

FINANCIAL ASSURANCE (R315-310-3(1)(j))

Item #47 *Identification of closure costs including cost calculations (R315-310-4(2)(d)(iv))* identification of closure costs including cost calculations and the funding mechanism

Item #48 *Identification of post-closure care costs including cost calculations (R315-310-4(2)(e)(iv))* identification of post-closure costs including cost calculations and the funding mechanism

Item #49 *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))* The owner or operator of any solid waste disposal facility requiring a permit shall establish financial assurance sufficient to assure adequate closure, post-closure care, and corrective action, if required, of the facility by compliance with one or more financial assurance mechanisms acceptable to and approved by the Executive Secretary.