SOLID WASTE FACILITY PERMIT

1. Facility/Permit Number:

07-AA-0032

2. Name and Street Address of Facility:

Keller Canyon Landfill
901 Bailey Road
Pittsburg, CA 94565

3. Name and Mailing Address of Operator:

Keller Canyon Landfill Company
901 Bailey Road
Pittsburg, CA 94565

4. Name and Mailing Address of Owner:

Keller Canyon Landfill Company, a wholly owned Subsidiary of Allied Waste Industries, Inc.
18500 N. Allied Way
Phoenix, AZ 85054

5. Specifications:

a. Permitted Operations:

[ ] Composting Facility (mixed wastes)
[ ] Composting Facility (yard waste)
[X] Landfill Disposal Site
[ ] Material Recovery Facility
[ ] Processing Facility
[ ] Transfer Station
[ ] Transformation Facility
[ ] Other:

b. Permitted Hours of Operation:

6 days/week, Monday through Saturday, with operating hours of 7:00 a.m. to 7:30 p.m.; no waste shall be accepted after 7:00 p.m. The required daily cover shall be completed by 7:30 p.m., at which time stationary working lights shall be extinguished.

Transfer vehicle traffic shall be regulated in accordance with COA[2] 29.9, Peak Period Traffic Management.

c. Permitted Tons per Operating Day: .....3500 tons/day maximum Disposal.. Total: Tons/Day

Non-Hazardous – General and designated waste .....3500.Disposal..... Tons/Day
Non-Hazardous – Sludge ..... Tons/Day
Non-Hazardous – Separated or commingled recyclables ..... Tons/Day
Non-Hazardous – Other (See Section 14 of Permit) ..... Tons/Day
Designated (See Section 14 of Permit) ..... Tons/Day
Hazardous (See Section 14 of Permit) ..... Tons/Day

d. Permitted Traffic Volume: .....260..... Total: Vehicles/Day

Incoming waste materials ..140 transfer vehicles (annual average). Vehicles/Day
Outgoing waste materials (for disposal) ..... Vehicles/Day
Outgoing materials from material recovery operations ..... Vehicles/Day

e. Key Design Parameters (Detailed parameters are shown on site plans bearing LEA and CIWMB validations):

	Total	Disposal	Transfer	MRF	Composting	Transformation
Permitted Area (in acres)	1399 acres	244 acres	N/A a	N/A a	N/A	N/A a
Design Capacity	75 MCY (air space)	60 – 64 MCY (net waste)	N/A tpd	N/A tpd	N/A tpd	N/A tpd
Max. Elevation (Ft. MSL)		1050 ft.	N/A	N/A	N/A	N/A
Max. Depth (Ft. BGS)	Canyon fill/N/A	N/A	N/A	N/A	N/A	N/A
Estimated Closure Date	N/A	2050	N/A	N/A	N/A	N/A

Remaining capacity as of September 2008 is estimated at 71,900,000 cubic yards net air space (refuse).*
*This figure was obtained from the most recent aerial survey conducted on April 2008.

Any change which would cause the design or operation of the facility not to conform to the terms or conditions of the permit is prohibited. Any such change shall be considered a significant change, and will require a revision of this permit pursuant to PRC, Division 30, Section 44004. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued solid waste facility permits.

6. Approval:

Approving Officer Signature

Sherman Quinlan, R.E.H.S., M.S.E.H., Director of Environmental Health
Name/Title

7. Enforcement Agency Name and Address:

Local Enforcement Agency
Contra Costa Environmental Health
2120 Diamond Boulevard, Suite 200
Concord, CA 94520

8. Received by CIWMB:

SEP 17 2009

9. CIWMB Concurrence Date:

10. Permit Review Due Date:

11. Permit Issued Date:

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12. Legal Description of Facility (attach map with RFI):

Property Boundaries. The Class II Landfill is located south of the City of Pittsburg, east of Bailey Road, north of Mulligan Hill and north of the City of Concord, situated in the foothills of the Mt. Diablo Range in Contra Costa County, California. Site location maps are attached as Exhibit A and Plate 1. The Assessors Parcel numbers are as follows:

094-050-001 094-060-001 094-060-002 094-070-001 094-080-003 094-100-001 094-110-001 094-120-001 094-130-006

The site occupies 2,628 acres of Sections 23, 24, 25 and 26 of Township 2N Range 1W, MDB&M. The facility activities will encompass a total of 375 acres, while the limit of waste disposal, the landfill "footprint", is 244 acres. The total permitted acreage is 1399 acres. The remaining 1229 acres will be reserved for uses consistent with open space and agricultural designations, as determined by the County.

13. Findings:

a. This permit is consistent with the Contra Costa County Integrated Waste Management Plan (CIWMP), May 1993. Public Resources Code, Section 50001. The facility is discussed on the following pages of the CIWMP: I-1, I-7, I-23, I-37, I-41 through 44, II-2 & 3, II-7 through 9, II-11 through 22, and Table C. The Contra Costa County Integrated Waste Management Plan, May 1993 has been approved by the CIWMB, December 15, 1993.

b. General Plan Amendment Keller Canyon Landfill, (GPA 3-89-CO) (hereinafter, GPA) provides for compatibility with surrounding land use. In approving the GPA, the Contra Costa County Board of Supervisors has found that the facility is consistent with surrounding land uses. Keller Canyon Landfill site is identified in and is consistent with the General Plan Amendment approved by the Contra Costa County Board of Supervisors on October 17, 1989 and subsequently adopted with the Contra Costa County General Plan, January 1991.

c. This permit is consistent with the standards adopted by the California Integrated Waste Management Board (CIWMB), Public Resources Code, and Section 44010.

d. The design and operation of the facility is in compliance with the State Minimum Standards for solid waste handling and disposal as determined by Contra Costa Environmental Health (LEA) of Contra Costa Health Services and is consistent with standards adopted by the California Integrated Waste Management Board.

e. The Riverview Fire Protection District has determined that the facility is in conformance with applicable fire standards as required by Public Resources Code, Section 44151.

f. The revisions to the SWFP and the amendments to the RDSI are within the scope of the Keller Canyon Landfill project evaluated in the 1990 Environmental Impact Report (EIR) (SCH No. 1989040415) prepared and certified by the Contra Costa County Board of Supervisors in July 1990. Supporting documentation Mitigated Negative Declaration, State Clearing House No. 1999092018, submitted September 7, 1999, approved October 6, 1999.

14. Prohibitions:

The following activities, operations, and conditions are expressly prohibited at the facility:

1. Accepting or disposal of wastes for which the facility is not approved, including:
   - Hazardous wastes,
   - Liquids or slurries unless authorized by the RWQCB and LEA,
   - Septage,
   - Designated wastes not identified in the Permit or in the WDR,
   - Burning wastes,
   - Large dead animals or large quantities of small dead animals, except with the approval of Contra Costa Health Services (LEA),
   - Untreated medical waste as defined in Chapter 6.1 of the California Health and Safety Code or infectious wastes as defined in 27 CCR 20880.
2. Conducting unacceptable activities such as:
   - Burning of wastes,
   - Scavenging,
   - Accepting or disposing of any other waste for which this facility is not permitted,
   - Accepting quantities of wastes exceeding the permitted capacity of the facility as stated in the findings section of this permit, without prior approval of the LEA.
3. Allowing conditions which are not acceptable, such as:
   - Standing water on covered fill areas,
   - Landfill fires,
   - Slope failure.

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15. The following documents also describe and/or restrict the operation of this facility (insert document date in space):

		DATE
[X]	Report of Facility Information	January , 1992
[X]	Amendments to RFI **(RDSI)**	March, 2000 May, 2008
[X]	Franchise Agreements, Contra Costa Board of Supervisors Amendment #1 Amendment #2 Amendment #3	October 31, 1990 November 8, 1994 February 27, 1996 February 2, 1999
[X]	Williamson Cancellation Act Contra Costa Board of Supervisors (amended)	July 14, 1990 October 5, 1991
[X]	Land Use Permits and Conditional Use Permits, Permit 2020-89 (amended)	July 24, 1990 November 1, 1994
[X]	Air Pollution Permits and Variances Plant 4618, Permit 21312 (Conditions 16461, 9527, 16462)	 October 8, 1999
[X]	Environmental Impact Report State Clearing House No. 1989040415	July 1990
[X]	Mitigated Negative Declaration State Clearing House No. 1999092018	November 12, 1999
[X]	Local & County Ordinances Contra Costa County Ordinance Code, Chapter 418.4 – Disposals Sites Contra Costa County Ordinance Code, Chapter 418.5 – Franchises for Solid Waste Facilities	

		DATE
[X]	Waste Discharge Requirements	91-052, 97-060, 98-081
[X]	Preliminary Closure & Post Closure Maintenance Plan (deemed complete by LEA on September 14, 1995)	September 14, 1995
[X]	Other (list):	
	1. Implementation & Mitigation Monitoring Program, Contra Costa Community Development	January 29, 1992
	2. USFS & BLM Special Use Permits are not required	
	3. Nationwide Permit No. 26, Dept. of the Army, Corps of Engineers (COE)	June 14, 1991
	4. Streambed Alteration Agreements California Dept. of Fish & Game	October 18, 1991
	5. Clean Water Act 401 Certification, State Water Resouces Control Board (SWRCB)	October 3, 1991

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16. Self Monitoring:

a. Results of all self-monitoring programs as described in the Report of Facility Information, will be reported as follows:

Program	Reporting Frequency	Agency Reported To
1. Landfill Gas Monitoring Program	1. Quarterly	1. LEA
2. Groundwater Monitoring Program	2. Quarterly with annual summary	2. LEA, RWQCB
3. Remaining Site Life/Capacity	3. Annual – with aerial surveys	3. LEA
4. Daily Tonnage Records – daily quantities of waste received	4. Quarterly – due no later than 30 days into succeeding quarter	4. LEA
5. Daily random waste load checking program	5. Daily	5. Available for LEA monthly inspection
6. Log and report the types and quantities of prohibited waste found in the waste stream and disposition of these materials	6. Quarterly	6. Available for LEA monthly inspection
7. Special Occurrence Log and operator's action(s) taken to correct/resolve each problem/situation	7. Daily	7. Available for LEA monthly inspection
8. All operational records, monitoring reports, results of regulatory inspections, summaries of daily inspection reports	8. Available upon request	8. LEA
9. Air quality Monitoring Program	9. Quarterly monitoring	9. LEA, BAAQMD – Available onsite for inspection
	CIWMB = California Integrated Waste Management Board **RWQCB** = Regional Water Quality Control Board **BAAQMD** = Bay Area Air Quality Management District **LEA** = Local Enforcement Agency	

+ The reporting frequency will be that required in the RWQCB WDR requirements

17. LEA Conditions:

(NOTE: LEA conditions listed here shall be in addition to conditions of other documents controlling operation of this facility.)

a. The facility shall comply with all State Minimum Standards for Solid Waste Handling and Disposal as specified in Title 27 of the California Code of Regulations (CCR).

b. The facility shall comply with all federal, state, and local requirements and enactments, including implementation of all mitigation measures developed in accordance with any certified environmental document filed pursuant to Public Resources Code (PRC) 21081.6.

c. Any additional information required by Contra Costa Health Services (LEA) shall be furnished to agency personnel on request.

d. The operator shall maintain a copy of this Solid Waste Permit (SWFP) and the RDSI at the facility at all times

e. This SWFP is subject to review by the LEA and may be modified, suspended, or revoked at any time for sufficient cause after a hearing.

f. **Types of Waste Received.** The landfill will receive residential, commercial, industrial, construction/demolition, designated and special wastes as provided in the RDSI and as set forth below. The facility will not accept hazardous wastes. The facility shall accept the following designated, non-hazardous or inert wastes:

Municipal Solid Waste	Commercial and Industrial Waste	Geothermal Wastes
Drilling Muds	Agricultural Wastes	Cannery Wastes
Contaminated Soils	Filter Cake/Dewatered Sludge	Sewage Sludge
Shredder Waste	Construction/Demolition Debris	Spent Catalyst Fines

g. **Quantification of Waste Received.** Maximum peak permitted capacity is 3500 tons disposal per operating day. Design capacity is estimated to be 60-64 million cubic yards compacted at 0.6 tons/cubic yard. Maximum total waste mass shall not exceed 38.4 million tons. In addition Facility allowed 1300 TPD of Recyclable Material of which no more of the following material:

500 tpd of green waste 300 tpd of wood waste 500 tpd of inert materials

h. **Method of Operation.** The Class II landfill will operate as a modified canyon fill, using daily cover. Waste will be compacted in layers of no greater than two feet, and from the base of the working face, at a final slope of 4:1. The size of the working face will be adjusted to optimize response to tipping area traffic, necessary space for landfill equipment, economy of use of cover soil or ADC and minimization of litter, odors, unsightliness and vectors. The working face shall not exceed an area of one acre nor measure more than 250 feet in width, with a maximum slope of 3:1.

i. **Waste Reduction and Resource Recovery.** Municipal solid waste received at this facility shall arrive by transfer vehicles from transfer stations where waste reduction and resource recovery activities have taken place.

j. **Hazardous Waste Screening.** A hazardous waste screening program has been developed pursuant to San Francisco Bay Area Regional Water Quality Control Board Waste Discharge Requirements 91-052 (hereinafter, WDR). The program consists of the following activities: Inspection of random incoming loads; regular visual inspection of wastes deposited at the facility; training of facility personnel in hazardous waste recognition and proper hazardous waste handling procedures; reporting incidents of unlawful disposal to agencies specified below; installation of signs at the facility's entry way indicating that no hazardous wastes are accepted; a list of unacceptable wastes. Additional measures may be required upon the request of the LEA or the CIWMB.

Agencies to be notified in case of unlawful disposal:
Contra Costa Health Services-Environmental Health – (925) 692-2500
Contra Costa Health Services Environmental Health-Hazardous Materials Program – (925) 646-2286
San Francisco Bay Area Regional Water Quality Control Board – (510) 622-2347
Riverview Fire Protection District – (925) 757-1303

k. Special operating procedures:

(a) Soils excavated during or incidental to construction of the landfill shall be stockpiled and reused for cover material to the fullest extent possible.
(b) Erosion control techniques such as providing road shoulder berms, covering areas of high erosion potential, diverting and controlling water runoff, and reseeding exposed areas, shall be implemented. Other erosion control measures shall be implemented as may be required by the LEA.
(c) Refuse and cover material shall be compacted in a manner so as to maximize strength and slope stability. The dimensions of the landfill working face shall not exceed those stated in the Findings of this permit. The working face shall not exceed a slope of 3:1.
(d) Surface roads shall be paved or wetted wherever such pavement or wetting is required by the LEA for purposes of dust suppression. The use of other dust palliatives on onsite roads and operating areas may also be required by the LEA
(e) Litter fences shall be placed as required by the LEA in the event of demonstrable litter problems
(f) The operator shall take all possible steps, including but not limited to staged cover, bird wires, "screamers", etc., to minimize attracting birds to the landfill.
(g) An odor complaint program shall be established and odor problems mitigated within time constraints imposed by the LEA.
(h) Operator must accept such waste as directed by LEA in response to any declared emergency.
(i) Pursuant to Section 44012, Public Resources Code, the enforcement agency may prohibit or condition the handling or disposal of solid waste to protect, rehabilitate, or enhance the environmental quality of the state or to mitigate adverse environmental impacts.

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l. Any change which would cause the design or operation of the facility not to conform to the terms or conditions of the permit is prohibited. Any such change shall be considered a significant change, and will require a revision of this permit pursuant to PRC, Division 30, Section 44004.

m. This facility has a total permitted capacity of 3500 tons per day for disposal only and 1300 tons per day of beneficial reuse material and recyclable material; and shall not receive more than that amount without first obtaining a revision of the permit.

n. Keller Canyon Landfill Company (KCLC) shall be considered operators of the landfill site. KCLC is a wholly owned subsidiary of Allied Waste Industries, Inc., a Delaware corporation.

o. A log of special occurrences, pursuant to the provisions of 27 CCR 20510(c), shall be maintained at the at the facility and be made available to the LEA or the CIWMB on demand, and annually reported to the LEA on a date to be determined by the LEA.

p. Preliminary closure and postclosure maintenance plans have been submitted pursuant to 27 CCR 21780.

q. All documentation relating to the preparation of the closure and postclosure maintenance costs shall be retained by Keller Canyon Landfill Company and shall remain available for inspection by the Local Enforcement Agency and the CIWMB.

r. The operator shall, once per calendar year, have this facility surveyed. Such survey shall be performed and signed by a licensed land surveyor or registered civil engineer, and it shall show the following:
   (a) Total volume of fill for the phase surveyed,
   (b) Volume of fill since last survey, and
   (c) Remaining volume to be filled in the phase.

Aerial survey is required, including an initial survey before waste is accepted into each phase. All coordinate/elevation points shall be made available to the LEA on request.