COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
9150 CHESAPEAKE DRIVE, SAN DIEGO, CA 92123-1096
(619)694-3307 FAX(619)694-2730

CONTROL NO.
167366

PERMIT NO.
870383
EXPIRES
NOVEMBER 1, 2000

PERMIT TO OPERATE

THIS PERMIT IS NOT VALID UNTIL REQUIRED FEES ARE RECEIVED BY THE DISTRICT.

THE FOLLOWING IS HEREBY GRANTED A PERMIT TO OPERATE THE ARTICLE, MACHINE, EQUIPMENT OR CONTRIVANCE DESCRIBED BELOW. THIS PERMIT IS NOT TRANSFERABLE TO A NEW OWNER NOR IS IT VALID FOR OPERATION OF THE EQUIPMENT AT ANOTHER LOCATION, EXCEPT AS SPECIFIED. THIS PERMIT TO OPERATE OR A COPY MUST BE POSTED ON OR WITHIN 25 FEET OF THE EQUIPMENT, OR READILY AVAILABLE ON THE OPERATING PREMISES.

GAS RECOVERY SYSTEMS INC
FAC MGR
1020 SERPENTINE LN #110
PLEASANTON CA 94566-0000

EQUIPMENT ADDRESS
LANDFILL GENERATING PARTNERS I
14494 MAST BL
SANTEE CA 92071-000

EQUIPMENT DESCRIPTION
A LANDFILL GAS ENERGY RECOVERY SYSTEM CONSISTING OF EXTRACTION WELLS, CONDENSATE MANAGEMENT EQUIPMENT, A GAS COMPRESSOR, AND TWO 10.8 MMBTU/HR SOLAR MODEL GSC 1200R LANDFILL GAS FIRED TURBINES. PROCESS CONTROL EQUIPMENT SHALL INCLUDE A LANDFILL GAS FLOW METER AND AN IN-LINE OXYGEN ANALYZER. (APPS 041020, 870383, & 870384 / DB / REV 7-98)
Sector#:04 ID#:06257A PO#:870383 BEC#:0103V
Fee Schedules: 20D02 92F02 48C01 94E15

EVERY PERSON WHO OWNS OR OPERATES THIS EQUIPMENT IS REQUIRED TO COMPLY WITH THE CONDITIONS LISTED BELOW AND ALL APPLICABLE REQUIREMENTS AND DISTRICT RULES, INCLUDING BUT NOT LIMITED TO RULES 2, 10, 40, 50, 51 AND 67.17.

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

1. ALL EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

2. A SHUT-OFF VALVE SHALL BE IN PLACE AND MAINTAINED AT EACH WELL HEAD.

3. THE ENGINE LANDFILL GAS FUEL FLOW METER AND FLOW RATE RECORDING EQUIPMENT SHALL BE OPERATIONAL AND CALIBRATED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AT LEAST ONCE EVERY SIX (6) MONTHS TO VERIFY THAT AN ACCURATE READING OF PLUS OR MINUS FIVE (5) PERCENT IS BEING MAINTAINED.

4. AN OXYGEN ANALYZER SHALL BE INSTALLED IN THE LANDFILL GAS COLLECTION PIPING BETWEEN THE GAS COMPRESSOR AND THE TURBINES. THE OXYGEN ANALYZER SHALL BE MAINTAINED AND OPERATED IN GOOD CONDITION AND BE ACCURATE TO 0.5% OF SCALE. AN OXYGEN CONCENTRATION IN THE LANDFILL GAS MEASURED IN EXCESS OF 3.5% SHALL RESULT IN AUTOMATIC BLOWER SHUTDOWN.

5. THERE SHALL BE NO LEAKS OF LEACHATE AND/OR CONDENSATE FROM ANY PART OF THE LANDFILL GAS RECOVERY SYSTEM WHICH RESULT IN THE DISCHARGE OF ODORS, TOXIC AIR CONTAMINANTS, OR REACTIVE ORGANIC COMPOUNDS TO THE ATMOSPHERE.

Permit Conditions Contd....

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6. THERE SHALL BE NO LEAKS OF LANDFILL GAS FROM THE COLLECTION SYSTEM IN EXCESS OF 1375 PPMV (AS METHANE) EXCEPT DURING MAINTENANCE, REPAIR, OR SAMPLING ACTIVITIES.

7. THE CONCENTRATION OF OXIDES OF NITROGEN EMISSIONS (AS NITROGEN DIOXIDE) IN THE TURBINE EXHAUST SHALL NOT EXCEED 288 PARTS PER MILLION BY VOLUME (PPMV), DRY BASIS, CORRECTED TO THREE PERCENT OXYGEN (3% O2). MASS EMISSIONS SHALL NOT EXCEED 4 POUNDS PER HOUR.

8. THE CONCENTRATION OF CARBON MONOXIDE EMISSIONS IN THE TURBINE EXHAUST SHALL NOT EXCEED 325 PARTS PER MILLION BY VOLUME(PPMV), DRY BASIS, CORRECTED TO THREE PERCENT OXYGEN (3% O2). MASS EMISSIONS FOR EACH TURBINE SHALL NOT EXCEED 3 POUNDS PER HOUR.

9. THE CONCENTRATION OF NON-METHANE HYDROCARBONS (AS METHANE) IN THE TURBINE EXHAUST SHALL NOT EXCEED 337 PARTS PER MILLION BY VOLUME (PPMV), DRY BASIS, CORRECTED TO THREE PERCENT OXYGEN (3% O2). MASS EMISSIONS FOR EACH TURBINE SHALL NOT EXCEED 2 POUNDS PER HOUR.

10. EMISSIONS OF SULFUR DIOXIDE FOR EACH TURBINE SHALL NOT EXCEED 17 POUNDS PER DAY.

11. THIS EQUIPMENT SHALL BE SOURCE TESTED ON AN ANNUAL BASIS, USING DISTRICT APPROVED TEST METHODS, UNLESS OTHERWISE DIRECTED IN WRITING BY THE DISTRICT.

12. ACCESS, FACILITIES, UTILITIES AND ANY NECESSARY SAFETY EQUIPMENT FOR SOURCE TESTING AND INSPECTION SHALL BE PROVIDED UPON REQUEST OF THE AIR POLLUTION CONTROL DISTRICT

13. THIS AIR POLLUTION CONTROL DISTRICT PERMIT DOES NOT RELIEVE THE HOLDER FROM OBTAINING PERMITS OR AUTHORIZATIONS REQUIRED BY OTHER GOVERNMENTAL AGENCIES.