



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

April 8, 2009

Mr. Gerardo Rios – via email (R9AirPermits_sc@epa.gov)
USEPA Region IX, Mail Stop AIR-3
75 Hawthorne
San Francisco, CA 94105

SUBJECT: Loma Linda University, ID#800234
Title V de minimis significant revision, Non-RECLAIM, Proposed Modification

Dear Mr. Rios:

The South Coast Air Quality Management District (AQMD) has received and reviewed a de minimis significant Title V revision application from Loma Linda University, located at 25027 Mound Street, Loma Linda, CA 92354. The permit revision involves the modification of their existing gasoline transfer and storage operation by upgrading the phase II balance system with a phase II enhanced vapor recovery (EVR) system in accordance with California Air Resources Board's requirements. There is no increase in emissions associated with the equipment change.

The AQMD has evaluated this application and made a preliminary determination that the equipment will be operated in compliance with all of the applicable requirements of our rules and regulations.

The AQMD is required under Rule 3005(e) to provide a copy of the proposed permit to the EPA Administrator for a 45-day review. As such, a copy of the proposed revision to the existing Title V permit is attached along with our engineering analysis for your review. AQMD is requesting the EPA to conduct an expedited review, so the final permit can be issued and Loma Linda University could proceed with upgrading their phase II system in order to comply with state requirements.

If you wish to provide comments or have any questions regarding this project, please contact Mr. Marcel Saulis at (909) 396-3093/ msaulis@aqmd.gov.

Sincerely,

A handwritten signature in cursive script that reads "Michael D. Mills".

Michael D. Mills, P.E.
Senior Manager
General Commercial & Energy Team

cc: Henry Cairus, LLU

Enclosures: Proposed Section H of Title V Permit
Preliminary Engineering Analysis

**FACILITY PERMIT TO OPERATE
LOMA LINDA UNIV**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

PERMIT TO CONSTRUCT

A/N 495540

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. 2 GASOLINE BALANCE NOZZLES DISPENSING 2 PRODUCTS EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, VAPOR SYSTEMS TECHNOLOGIES, INC., PHASE II ENHANCED VAPOR RECOVERY (EVR) SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS (ISD) SYSTEM (VR-203-E).
2. 1 – DUAL COMPARTMENT UNDERGROUND GASOLINE/DIESEL STORAGE TANK, 18,000 GALLON CAPACITY, 1 METHANOL COMPATIBLE, CONSISTING OF:
 - A) ONE 12,000 GALLON GASOLINE COMPARTMENT, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E/I).
 - B) ONE 6,000 GALLON DIESEL COMPARTMENT, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N18641 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 205]

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461]
5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
[RULE 461]
6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461, RULE 1303(a)(1)-BACT]
7. THE DISTRICT AT ITS DISCRETION MAY WISH TO WITNESS THE INSTALLATION AND/OR PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM INCLUDING ISD SYSTEM. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE INSTALLATION AND PERFORMANCE TESTING OF THE VST PHASE II EVR SYSTEM INCLUDING ISD SYSTEM, THE APPLICANT SHALL NOTIFY THE AQMD AT TELEPHONE NUMBER (866) 770-9140.
[RULE 461]
8. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE AND APPROPRIATE INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION OR CARB EQUIVALENT TRAINING. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
9. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

10. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE AND DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C (OCTOBER 8, 2003) OR TP-201.1D (OCTOBER 8, 2003), RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
11. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN TEN (10) DAYS AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E (OCTOBER 8, 2003). RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]
12. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B (OCTOBER 8, 2003) AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
13. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)
60
80

DYNAMIC BACK PRESSURE (INCHES OF WATER)
0.35
0.62

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1 (JULY 3, 2002); AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

[RULE 461]

14. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 (MARCH 17, 1999), AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
15. THE STATIC PRESSURE LEAK DECAY TEST TP-201.3, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-203-E. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 4 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
16. A LIQUID REMOVAL TEST SHALL BE CONDUCTED TO QUANTIFY THE REMOVAL RATE OF LIQUID FROM THE VAPOR PASSAGE OF A PHASE II BALANCE SYSTEM HOSE EQUIPPED WITH A LIQUID REMOVAL DEVICE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A HYDROCARBON SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE ACCURACY OF THE VST HYDROCARBON NON-DISPERSIVE INFRARED SENSOR USING KNOWN HYDROCARBON CONCENTRATIONS (PROPANE) CALIBRATION GASES AT GASOLINE DISPENSING FACILITIES. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 6 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
18. A VAPOR PRESSURE SENSOR VERIFICATION TEST SHALL BE CONDUCTED TO DETERMINE THE PRESSURE MANAGEMENT CONTROL VAPOR PRESSURE SENSOR IS OPERATING IN ACCORDANCE WITH THE PRESSURE SENSOR REQUIREMENTS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 8 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

19. IF A VST ECS MEMBRANE PROCESSOR IS INSTALLED, A DETERMINATION OF VST PROCESSOR ACTIVATION PRESSURE TEST SHALL BE CONDUCTED TO DETERMINE COMPLIANCE WITH THE VST PROCESSOR ACTIVATION PRESSURE REQUIREMENT. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 9 OF CARB EXECUTIVE ORDER VR-203-E, AS A PERFORMANCE TEST AND REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
20. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE VST PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED VST PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 10 OF CARB EXECUTIVE ORDER VR-203-E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
21. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST SHALL BE CONDUCTED IN ACCORDANCE WITH ALL OF EXHIBIT 11 OF CARB EXECUTIVE ORDER VR-203-E. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
22. IF A VEEDER-ROOT VAPOR POLISHER IS INSTALLED, A VEEDER-ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST SHALL BE CONDUCTED IN ACCORDANCE WITH ALL OF EXHIBIT 12 OF CARB EXECUTIVE ORDER VR-203-E TO VERIFY THE PROPER PERFORMANCE OF THE VEEDER-ROOT VAPOR POLISHER. THE TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
23. IF THE SECURITY SEAL TAG ON THE VAPOR POLISHER IS BROKEN OR MISSING, THE OWNER/OPERATOR SHALL PERFORM BOTH A VEEDER-ROOT VAPOR POLISHER OPERABILITY TEST (EXHIBIT 11), AND A VEEDER ROOT VAPOR POLISHER HYDROCARBON EMISSIONS VERIFICATION TEST (EXHIBIT 12) WITHIN SEVEN (7) DAYS OF DISCOVERY, OR WHEN IT SHOULD BE REASONABLY KNOWN THAT SUCH SEAL IS MISSING OR BROKEN. WITHIN SEVEN (7) DAYS OF A REPORT OF A MISSING OR BROKEN SECURITY SEAL TAG, A NEW SECURITY SEAL TAG SHALL BE APPLIED TO THE VAPOR POLISHER ONLY BY A MANUFACTURER REPRESENTATIVE AND ONLY IMMEDIATELY AFTER PASSING THE ABOVE REQUIRED TESTS. A NEW SECURITY SEAL TAG SHALL NOT BE PLACED AND THE VAPOR POLISHER SHALL BE REPLACED WITH A NEW ONE IF THE VAPOR POLISHER FAILED ANY SUCH TESTS.
[RULE 461]
24. THE DYNAMIC BACK PRESSURE TESTS TP-201.4, SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 13 OF CARB EXECUTIVE ORDER VR-203-E. VERIFICATION OF COMPLETING EACH STEP AS OUTLINED SHALL BE DOCUMENTED BY SUBMITTING A COPY OF EXHIBIT 13 TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

[RULE 461]

25. UNLESS AQMD RULE 461 REQUIRES A MORE FREQUENT TESTING OR INSPECTION SCHEDULE, THE OWNER/OPERATOR SHALL BE RESPONSIBLE TO PERFORM THE SCHEDULED DAILY AND ANNUAL INSPECTIONS AS OUTLINED IN THE ARB APPROVED INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR THE VST PHASE II EVR SSYSTEM, AS WELL AS THE REQUIRED VAPOR RECOVERY SYSTEM TESTS AS PER THE CURRENT AND APPROPRIATE ARB EXECUTIVE ORDER.
[RULE 461]
26. A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM SHALL BE FULLY PERMITTED, INSTALLED, AND TESTED BY OCTOBER 1, 2008. FAILURE TO ACHIEVE THIS CONDITION BY OCTOBER 1, 2008, SHALL RESULT IN THE OWNER/OPERATOR TO FILE A DISTRICT APPROVED COMPLIANCE PLAN OUTLINING THE INCREMENTS OF PROGRESS TOWARDS COMPLETING THE INSTALLATION OF A CARB CERTIFIED PHASE II ENHANCED VAPOR RECOVERY SYSTEM BY APRIL 1, 2009.
[RULE 461]
27. IF THE OWNER/OPERATOR PLANS TO PERMANENTLY CEASE ALL GASOLINE DISPENSING OPERATIONS BEFORE APRIL 1, 2009, A COMPLIANCE PLAN SHALL BE FILED DECLARING TO IRREVOCABLY SURRENDER THEIR PERMIT TO OPERATE.
[RULE 461]
28. IF THE VAPOR PROCESSOR IS NOT ACCESSIBLE FOR INSPECTION AND PERFORMING TESTS PURPOSES FROM GROUND LEVEL, THE OWNER/OPERATOR SHALL PROVIDE SAFE ACCESS, WHICH IS ON SITE AND IMMEDIATELY AVAILABLE UPON REQUEST, TO THE VAPOR PROCESSOR UNIT. THE ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL INDUSTRY SAFETY ORDERS OF THE STATE OF CALIFORNIA OR IN COMPLIANCE WITH STANDARDS SPECIFIED BY THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH OF THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (I.E. CAL/OSHA).
[RULE 461]
29. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
30. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
[RULE 461]
31. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE PER CALENDAR YEAR AND IF THE FACILITY UNDERGOES A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL IMMEDIATELY CEASE ALL GASOLINE DISPENSING OPERATIONS AND FILE AN APPLICATION FOR A NEW PERMIT TO

FACILITY PERMIT TO OPERATE LOMA LINDA UNIV

CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. GASOLINE DISPENSING OPERATIONS SHALL NOT RESUME UNTIL THE ISD SYSTEM HAS BEEN GRANTED A PERMIT TO CONSTRUCT/OPERATE AND HAS BEEN FULLY INSTALLED, TESTED, AND OPERATIVE.
[RULE 461]

32. SHOULD THE FACILITY DISPENSE MORE THAN 600,000 GALLONS OF GASOLINE IN ANY CALENDAR YEAR AND IF THE FACILITY DOES NOT UNDERGO A MAJOR MODIFICATION AS DEFINED BY CARB'S ADVISORY LETTER NUMBER 336, "ENHANCED VAPOR RECOVERY IMPLEMENTATION UPDATE" DATED APRIL 15, 2005; THE OPERATOR SHALL FILE AN APPLICATION FOR A NEW PERMIT TO CONSTRUCT/OPERATE TO INSTALL A CARB CERTIFIED ISD SYSTEM. THE ISD SYSTEM SHALL BE FULLY INSTALLED, TESTED, AND OPERATIVE BASED ON THE FOLLOWING TABLE:

<u>GASOLINE THROUGHPUT PER CALENDAR YEAR</u>	<u>DATE</u>
GREATER THAN 1.8 MILLION GALLONS	SEPTEMBER 1, 2009
BETWEEN 600,000 AND 1.8 MILLION GALLONS	SEPTEMBER 1, 2010

[RULE 461]

33. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE FOR FOUR YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.
[RULE 461]

Periodic Monitoring:

34. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(5) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT D, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.
[RULE 3004 (a)(4)]

Emissions And Requirements:

35. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS :

VOC: RULE 461

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>ENGINEERING & COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 2	PAGE NO. 1
	APPL. NO. 489871	DATE 4/8/2009
	PROCESSED BY M SAULIS	CHECKED BY

ENGINEERING EVALUATION FOR TITLE V DE MINIMIS PERMIT REVISION

COMPANY NAME AND ADDRESS

Loma Linda University
25027 Mound Street
Loma Linda, CA 92354

CONTACTS: Donna Gurule, EH&S Officer, (909) 558-4999
Henry Cairus, EH&S Officer, (909) 558-4999

EQUIPMENT LOCATION

AQMD ID 800234
11100 Anderson Street
Loma Linda, CA 92354

EQUIPMENT DESCRIPTION

Fuel Storage and Dispensing Facility Consisting of:

- 1) 2 – GASOLINE BALANCE NOZZLES DISPENSING 2 PRODUCTS EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, VAPOR SYSTEMS TECHNOLOGIES, INC., PHASE II ENHANCED VAPOR RECOVERY (EVR) SYSTEM NOT INCLUDING IN-STATION DIAGNOSTICS (ISD) SYSTEM (VR-203-E).
- 2) 1 – DUAL COMPARTMENT UNDERGROUND GASOLINE/DIESEL STORAGE TANK, 18,000 GALLON CAPACITY, 1 METHANOL COMPATIBLE, CONSISTING OF:
 - A) ONE 12,000 GALLON GASOLINE COMPARTMENT, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (VR-102-E/I).
 - B) ONE 6,000 GALLON DIESEL COMPARTMENT, NOT EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW.

BACKGROUND/SUMMARY

Loma Linda University (LLU) is a medical teaching center that has a Title V permit. LLU submitted an application (A/N 495540) for a modification to their existing gasoline dispensing facility by upgrading to phase II enhanced vapor recovery (EVR) – Vapor Systems Technologies (VST), not including in-station diagnostics (ISD). The application was processed and a permit to construct was recommended. This evaluation is for a Title V permit revision to include the modification into section H of the permit. The modification is classified as a “de minimis significant revision”. Attached is the engineering evaluation for the EVR upgrade.

In addition, the equipment description is being administratively changed to correct it to a dual compartment tank – one compartment gasoline and the other diesel.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>ENGINEERING & COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 2	PAGE NO. 2
	APPL. NO. 489871	DATE 4/8/2009
	PROCESSED BY M SAULIS	CHECKED BY

EMISSION CALCULATIONS

There is no increase emissions associated with the upgrade to phase II EVR.

RULES EVALUATION

RULE 461 – GASOLINE TRANSFER AND DISPENSING

(c)(2)(A) LLU is proposing to replace the two (2) existing phase II balance nozzles with phase II EVR nozzles in accordance with state requirements. Compliance with this rule is expected.

RULE 2001 – APPLICABILITY

The facility is exempt from the requirements of RECLAIM per Rule 2001(i)(2)(H).

REGULATION XXX – TITLE V PERMITS

The facility is included in Phase I of the Title V universe. The initial Title V permit, A/N 339979, was issued on 4/12/01.

RULE 3003 – APPLICATIONS

The “de minimis significant permit revision” is expected to comply with all applicable requirements of this rule.

(i)(4) The de minimis significant permit revision will be issued only after the permit revision application has been found to comply with all conditions of this rule.

(j)(1) The permit revision will be forwarded to EPA for a 45 day review period.

RULE 3005 – PERMIT REVISION

(e) The proposed Title V permit revision satisfies all the applicable conditions listed in this rule. The modification constitutes a “de minimis significant permit revision” as defined in Rule 3000(b)(6).

RULE 3006 – PUBLIC PARTICIPATION

(b) The proposed “de minimis significant permit revision” is exempt from public participation.

RECOMMENDATIONS

The application is expected to comply with all applicable District Rules and Regulations. The issuance of a revised Title V permit with an updated section H that includes a Permit to Construct to modify the existing gasoline dispensing operation with the improved EVR upgrade.