

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE DIVISION

APPLICATION PROCESSING AND CALCULATIONS

PAGES

4

APPLICATION NO.

ENGINEER

HD

PAGE

1

DATE

10/22/2014

CHECK BY

**PERMIT TO
CONSTRUCT/OPERATE**

COMPANY NAME: SIX FLAGS THEME PARKS, INC., MAGIC MOUNTAIN

MAILING ADDRESS 26101 Magic Mountain Parkway
Valencia, CA 91335

EQUIPMENT ADDRESS Same as Above

EQUIPMENT DESCRIPTION

A/no. 565687

Fuel Storage and Dispensing Facility Consisting of:

- 1) 1 - GASOLINE NOZZLE DISPENSING 1 PRODUCT, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).
- 2) 1 - GASOLINE ABOVEGROUND STORAGE TANK, CONVAULT (VR-301-E), RECTANGULAR, 11' - 3" L. X 8' - 0" W. X 5' - 6" H., 2,000 GALLON CAPACITY, EQUIPPED WITH A HUSKY 5885 PRESSURE/VACUUM RELIEF VALVE, AND A MORRISON BROTHERS PHASE I ENHANCED VAPOR RECOVERY (EVR) SYSTEM (VR-402-B).

A/no. 567390

Fuel Storage and Dispensing Facility Consisting of:

- 1) 1 - GASOLINE NOZZLE DISPENSING 1 PRODUCT, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).
- 2) 1 - GASOLINE ABOVEGROUND STORAGE TANK, CONTAINMENT SOLUTIONS HOOVER VAULT (VR-301-E), RECTANGULAR, 12' - 9" L. X 8' - 4" W. X 6' - 11" H., 4,000 GALLON CAPACITY, EQUIPPED WITH A HUSKY 5885 PRESSURE/VACUUM RELIEF VALVE, AND A MORRISON BROTHERS PHASE I ENHANCED VAPOR RECOVERY (EVR) SYSTEM (VR-402-B).

A/No..565688

Title V Revision, Minor Permit revision

BACKGROUND HISTORY:

These applications were submitted for an alteration on 6/11/14 & 8/7/2014. The planned installation date will be as soon as the permits are granted. The alteration involves the removal of the existing Phase I vapor system and replacing it with a Morrison Brothers Phase I EVR system. The facility's proposed normal operating schedule is as follows: 16 hours/day, 3 days/week, 12 days/month and 52 weeks/year. The facility is an amusement park. The fueling stations are used to fill in-park vehicles.

This is an existing Title V facility, applying for a permit renewal that operates a Theme Park. This facility is operating emergency and non-emergency diesel and gasoline fueled engines, spray booths and

open spray equipment, open abrasive blasting equipment, gas station, hydrochloric acid storage tanks, & charbroilers.

Review of the compliance files for this facility reveals that there are no records of nuisance complaints or notices to comply or violations during in the last two years.

PROCESS DESCRIPTION:

The gasoline storage and dispensing facility is used to store and dispense one grade of gasoline. This facility is equipped with CARB certified Phase I and Phase II vapor controls, which complies with Rule 461. Furthermore, these vapor controls are considered to be T-BACT, which complies with Rule 1401. Finally, the project will not result in a net emission increase and thus will comply with Reg. XIII and Rule 1401.

EMISSION CALCULATIONS:

The proposed modification of the removal of the existing phase I EVR system and replacing it with an enhanced phase I EVR system will result in decrease of criteria pollutant and toxics emissions. The applicant will continue to operate under the current limit. The previous calculated emissions will be entered in AEIS and NSR.

RULES EVALUATION

- Rule 212(c)(1): This section requires a public notice for all new or modified permit units that may emit air contaminants located within 1,000 feet from the outer boundary of a school. Since there are no schools within 1,000 feet of the facility, a public notice will not be required per this section.
- Rule 212(c)(2) & (g): These sections require a public notice for all new or modified facilities which have on-site emission increases for the equipment or the facility exceeding any of the daily maximums as specified in subdivision (g). Since the daily emissions are less than specified in section (g), public notice will not be required by this section.
- Rule 401 With the proper maintenance, the visible emissions from the engines are not likely to violate requirements of this rule.
- Rule 402 Operation of equipment is not expected to create a nuisance.
- Rule 461 The gasoline tank will be equipped with CARB certified Phase I vapor controls and will be installed per CARB executive order VR-402. The tank will also be equipped with a submerged fill tube and a pressure vacuum relief valve. The nozzle serving the gasoline tank was equipped with CARB certified Phase II vapor controls and was installed per CARB executive order G-70-52. Therefore, this facility complies with Rule 461.
- Rule 1170 The facility does not have any underground storage tanks. Therefore, it is exempted from the provisions of this rule

Rule1401 The alteration will not result in a net toxic emission increase and therefore is exempt from further rule evaluation per section (g)(1)(B). The facility complies with this rule.

Rule1401.1 The rule DOES NOT apply as facility is an existing facility.

Rule REGXIII No net emission increase. BACT and Offset are not required. No modeling required for VOCs. Complies with Rule. This facility complies with Rule 1313 since the operator has installed both Phase I and Phase II vapor recovery equipment, which meets current BACT requirements. Furthermore, this facility will have a maximum monthly gasoline throughput condition.

Regulation XXX:

The modification of Fueling facilities is considered as a “minor facility revision” to the Title V permit for this facility.

Rule 3000(b)(12) specifies that a “minor permit revision” includes, but is not limited to any Title V permit revision that:

- Rule 3000(b)(12)(A)(v) – does not result in an emission increase of any RECLAIM pollutant over the facility’s starting Allocation plus the non-tradeable Allocation, or higher Allocation amount which has previously undergone a significant permit revision process.
- Rule 3000(b)(12)(A)(vi) – does not result in an increase in emissions of a pollutant subject to Regulation XIII – New Source Review (non-RECLAIM pollutants) or a hazardous air pollutant (HAP).

The proposed project is not expected to result in an emission increase of any pollutant subject to Regulation XIII – New Source Review or a hazardous air pollutant (HAP), and therefore is considered as a “minor permit revision” pursuant to Rule 3000(b)(12)(A)(v) and Rule 3000(b)(12)(A)(vi).

This proposed project is the 1st permit revision to the renewal Title V permit issued to this facility on October 28, 2011. The following table summarizes the cumulative emission increases resulting from all permit revisions since the Title V renewal permit was issued:

Title V Permit Revision Summary

		HAP	VOC	NOx	PM10	SOx	CO
	Title V renewal	0	0	0	0	0	0
1 st	Permit Revision: Modification of Fuel storage and dispensing facilities by upgrade of Phase 1 vapor recovery system.	0	0	0	0	0	0
	Cumulative Total	0	0	0	0	0	0
	Maximum Daily	30	30	40	30	60	220

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PAGES

PAGE

4

4

ENGINEERING AND COMPLIANCE DIVISION

APPLICATION NO.

DATE

10/22/2014

APPLICATION PROCESSING AND CALCULATIONS

ENGINEER

CHECK BY

HD

Since the project does not result in any emission increase, this proposed project is considered as a “minor permit revision”.

CONCLUSION:

The proposed project is expected to comply with all applicable District Rules and Regulations. Also, since the proposed project is considered as a “minor permit revision”, it is exempt from the public participation requirements under Rule 3006 (b). A proposed facility permit incorporating this permit revision will be submitted to EPA for a 45-day review pursuant to Rule 3003(j). If EPA does not have any objections within the review period, a revised Title V permit will be issued to this facility.