

PERMIT TO OPERATE

Permit No. TBD
A/N 416255

Equipment Description:

STORAGE TANK NO. 80077, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS 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. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(b)(2)-OFFSET, 1401]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE

ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE EVERY 15 MINUTES.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 463, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 60 SUBPART Kb]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET, 1401]
7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149, RULE 1303(b)(2)-OFFSET, 1401]
8. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
9. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1303(a)(1)-BACT]
10. IF 98.0 PERCENT OR GREATER OF THE NEW VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 400 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1303(a)(1)-BACT]

11. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 400 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178
 - VOC: RULE 40 CFR 60 SUBPART Kb
 - HAP/TOC: 40 CFR 63 SUBPART R (MAJOR SOURCES)
 - HAP/TOC: 40 CFR 63 SUBPART EEEE (MAJOR SOURCE)

PERMIT TO CONSTRUCT

Permit No. TBD
A/N 416257

Equipment Description:

STORAGE TANK NO. 80078, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS 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. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(b)(2)-OFFSET, 1401]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE

ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE EVERY 15 MINUTES.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 463, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 60 SUBPART Kb]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET, 1401]
7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149, RULE 1303(b)(2)-OFFSET, 1401]
8. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
9. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1303(a)(1)-BACT]
10. IF 98.0 PERCENT OR GREATER OF THE NEW VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 300 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1303(a)(1)-BACT]

11. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 300 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178
 - VOC: RULE 40 CFR 60 SUBPART Kb
 - HAP/TOC: 40 CFR 63 SUBPART R (MAJOR SOURCES)
 - HAP/TOC: 40 CFR 63 SUBPART EEEE (MAJOR SOURCE)

PERMIT TO OPERATE

Permit No. TBD
A/N 416258

Equipment Description:

STORAGE TANK NO. 80079, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS 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. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(b)(2)-OFFSET, 1401]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE

ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE EVERY 15 MINUTES.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15 MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 463, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 60 SUBPART Kb]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET, 1401]
7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149, RULE 1303(b)(2)-OFFSET, 1401]
8. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
9. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1303(a)(1)-BACT]
10. IF 98.0 PERCENT OR GREATER OF THE NEW VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 300 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1303(a)(1)-BACT]

11. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 300 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178
 - VOC: RULE 40 CFR 60 SUBPART Kb
 - HAP/TOC: 40 CFR 63 SUBPART R (MAJOR SOURCES)
 - HAP/TOC: 40 CFR 63 SUBPART EEEE (MAJOR SOURCE)

PERMIT TO OPERATE

Permit No. TBD
A/N 416259

Equipment Description:

STORAGE TANK NO. 80080, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS 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. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(b)(2)-OFFSET, 1401]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE

ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE EVERY 15 MINUTES.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15-MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE 15 MINUTE TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 463, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 60 SUBPART Kb]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET, 1401]
7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149, RULE 1303(b)(2)-OFFSET, 1401]
8. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
9. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1303(a)(1)-BACT]
10. IF 98.0 PERCENT OR GREATER OF THE NEW VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 300 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1303(a)(1)-BACT]

11. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 300 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring: NONE

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 463
 - VOC: RULE 1149
 - VOC: RULE 1178
 - VOC: RULE 40 CFR 60 SUBPART Kb
 - HAP/TOC: 40 CFR 63 SUBPART R (MAJOR SOURCES)
 - HAP/TOC: 40 CFR 63 SUBPART EEEE (MAJOR SOURCE)