

AIR QUALITY PERMIT NOTICE
Revised Draft Title V Permit V-12-026 Revision 1
Subject to Prevention of Significant Deterioration (PSD) for
the construction and operation of a boiler and associated components at
Marathon Petroleum Company LP, Catlettsburg Refining, LLC
Plant I.D. 21-019-00004; Agency Interest # 339

Marathon Petroleum Company LP; Catlettsburg Refining, LLC has applied to the Kentucky Division for Air Quality for a revision permit to construct and operate a boiler and associated components at a petroleum refineries facility at 11631 US Route 23, Catlettsburg, KY 41129. The plant is classified as a Title V major source due to emissions of regulated air pollutants and hazardous air pollutants. Construction of Boiler #15 authorized by this permit will increase potential emission of greenhouse gas by 179,000 tons per year (tpy), CO by 99 tpy, NOx by 39 tpy, VOC by 10.3 tpy, SO2 by 37.8 tpy and PM by 14.1 tpy. This revision includes additional monitoring, testing, and recordkeeping conditions to ensure that limits of NOx, and CO from Boiler #15 are enforceable as a practical matter and to preclude applicability of 401 KAR 51:017 to these pollutants. It also includes additional monitoring, testing, and recordkeeping conditions to ensure that limits of other pollutants listed above are enforceable as a practical matter and show compliance with the Best Achievable Control Technology determination for greenhouse gas and PM2.5 as approved by the Division. The permit also includes updates to the voluntary SO2 flare limits.

Significant Impact Analysis Results

Pollutant	Averaging Period	Maximum Modeled Impact (ug/m ³)	PSD Significant Class II Impact Level (ug/m ³)	Percent Class II SIL
Class II Significant Impact Analysis Results				
PM _{2.5}	Annual	0.07	0.3	24.8%
PM _{2.5}	24 hour	1.07	1.2	89.1%
Class I Significant Impact Analysis Results				
PM _{2.5}	Annual	0.00006	0.06	0.1%
PM _{2.5}	24 hour	0.00051	0.07	0.7%

As shown in Table above, it was determined that the PM2.5 impacts were below the SILs. Therefore, no additional modeling to assess compliance with the NAAQS or PSD increment was required.

Impact on Visibility – Class I Areas

The nearest Class I Area to the existing site is Wayne National Forest which is located 4 km north of the facility. The other closest Class I area to the Catlettsburg refinery is the Otter Creek Wilderness Area located 260km to the northeast of the refinery. There are only two other Class I areas (Dolly Sods and Linville Gorge) within 300km of the Catlettsburg refinery. The Federal Land Manager's ("FLM") Q/d (maximum daily emissions in tons per year over distance in kilometers) method has been used to determine the potential for adverse Class I impacts for the closest Class I area. The results of the Q/d evaluation are less than 10, the FLM's threshold for additional Class I analysis. The total project emissions, based upon the maximum daily emissions, used was 89.4 tons per year (13.7 tpy PM10, 36.8 tpy SO2, and 39.0 tpy NOx). The total emissions divided by 260 km results in a Q/d value of 0.34. It was then concluded that no Class I Air Quality Related Values (AQRV) evaluation was required.

An electronic copy of the Division's draft permit should shortly become available at <http://air.ky.gov/Pages/PublicNoticesandHearings.aspx>. Official copies of the Division's draft permit and relevant supporting information are available for inspection by the public during normal business hours at the following locations:

Division for Air Quality, 200 Fair Oaks Lane, 1st Floor, Frankfort, KY 40601, Phone (502) 564-3999; Division for Air Quality, Ashland Regional Office, 1550 Wolohan Drive, Suite 1, Ashland, KY 41102, Phone (606) 929-5285; and the Boyd County Public Library, 1740 Central Avenue, Ashland, KY 41101-7653, Phone (606) 329-0090.

For a period of 30 days the Division will accept comments on the draft permit and afford the opportunity for a public hearing. The first day of the 30 day period is the day after the publication of this notice. Comments and/or public hearing requests should be sent to Ms. Shauna Switzer at the above Frankfort address or e-mail Shauna.Switzer@ky.gov. Any person who requests a public hearing must state the issues to be raised at the hearing. If the Division finds that a hearing will contribute to the decision-making process by clarifying significant issues affecting the draft permit, a hearing will be announced. All relevant comments will be considered in issuing the proposed permit. U.S. EPA has up to 45 days following issuance of the proposed permit to submit comments. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition will be posted at the following website address: <http://www.epa.gov/region4/air/permits/kentucky.htm> shortly after the end of this 30-day comment period. Further information can be obtained by calling Mr. Rick Shewekah at (502) 564-3999.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services and provides, upon request, reasonable accommodation including auxiliary aides and services necessary to afford individuals an equal opportunity to participate in all programs and activities. Materials will be provided in alternate format upon request.