DATE: May 10, 2012

SUBJECT: Driveway Policy for Unconventional Oil and Gas Development Drilling and Fracking Operations – Highway Occupancy Permits Program

TO: District Executives

FROM: Charles C. Goodhart, Director /s/ Bureau of Maintenance and Operations

The Driveway Policy for Unconventional Oil and Gas Development Drilling and Hydraulic Fracking Operations in the Department’s Highway Occupancy Permit (HOP) Program is being updated as part of a general review of this program. This Strike-off Letter (SOL) is time neutral and intended to bring consistency to Department policy. This policy is developed to address the unique operational features of Marcellus and Utica Shale natural gas well drilling/fracking sites. Due to the intensity of traffic generated during the drilling/fracking process, it is imperative that a driveway design accommodate the type and volume of traffic generated. This policy was developed with input from the Unconventional Oil and Gas Industry, PennDOT Engineering Districts and Pennsylvania State Police.

It is strongly encouraged during the identification of these well sites to consider transportation logistics early in the process. From past experiences, the Department and Industry have witnessed poor site locations as contributing to significant costs or ineffective operations. Site identification should consider (but not be limited to): roadway infrastructure, impact on communities, site access, and the staging of equipment/materials/vehicles during drilling and fracking.

Driveways constructed for the drilling and fracking operations have the unique characteristics of generating large volumes of truck traffic for several weeks and then dissipating to volumes in the Department’s minimum use driveway range. By this policy, driveways constructed for shale drilling and fracking shall be classified as minimum use driveways but designed to accommodate the type and volume of traffic generated by these operations.

An HOP application shall be submitted via the e-Permitting system, unless the Department determines that an application cannot be submitted electronically. It is the Department’s goal to review applications and issue permits within thirty (30) days. This time frame can be significantly impacted by incomplete applications that must be returned for revisions.

Additionally, the Department’s goal is to review modified design applications within thirty (30) days. Due to the complexity of a specialized review it will also be the Department’s goal to issue permits in no more than two (2) “cycle” reviews. Again, these goals can be significantly impacted by incomplete applications causing the application to be retuned for numerous revisions.

As with all permits, the Department will inspect the constructed driveway for compliance with the issued permit. As noted in the Department’s regulations, Chapter 441.6 (1)(ix), “The Department in granting a permit will waive none of its power or rights to require the future change in operation, removal, relocation or proper maintenance of any access within State Highway right-of-way.” Any changes or modifications directed by Department staff will be based on objective criteria.
Effective with the issuance of this letter, the HOP Policies are now revised to accommodate Unconventional Oil and Gas Industry operations. A new Minimum Use Driveway template has been developed for use by this industry and is included with this SOL for use by District Permit Managers and Staff. Also attached are new and replacement sheets to be used to update existing publications. Please remove and destroy replaced sheets:

- Pub. 170, HOP Manual, Chapter 3.8, Driveways for Unconventional Oil & Gas Development Drilling and Fracking Operations, pp. 2 and 77A.

Should you have any questions, please contact Michael Dzurko, Highway Occupancy Permits Program Manager, at 717-783-6080.

Attachments

465/SEB/hmq

CC: Assistant District Executives -- Maintenance
    Highway Occupancy Permit Managers
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    Bruce Harter, Chief, Maintenance Performance Division, BOMO
    Steven Koser, P.E., Chief, Roadway Management, BOMO
    Glenn Rowe, P.E., Chief, Traffic Engineering and Permits Section, BOMO
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    RSC Read File
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Driveways for Unconventional Oil & Gas Development Drilling and Fracking Operations

Driveways constructed for drilling and fracking operations have the unique characteristics of generating large volumes of truck traffic for several weeks and then dissipating to volumes in the Department’s minimum use driveway range. Driveways constructed for the purpose of drilling and fracking operations only, shall be classified as minimum use driveways but designed to accommodate the type and volume of traffic generated by these operations. It is strongly encouraged, during the identification of well sites, to consider transportation logistics early in the process. Site identification should consider (but not be limited to): roadway infrastructure, impact on communities, site access, and the staging of equipment/materials/vehicles during operations, especially when drilling and fracking.

If the proposed driveway access is located on a weight-posted state route, the permittee shall notify the District Posted and Bonded Roads Coordinator and provide copies of any application submissions and the issued Highway Occupancy Permit.

A standard driveway design has been created that safely accommodates the traffic generated but also insures turning vehicles do not conflict with the traveling public at the driveway entrance. The standard driveway design can be found in Appendix B5. This design is based on the following criteria:

- The site is used exclusively for unconventional oil and gas well drilling/fracking operations. Any other uses, such as impoundment sites, will need to be evaluated independently.
- The design vehicle is a 48’ trailer/tanker used for hauling water or sand.
- The driveway accommodates full movements in all directions for the design vehicle.
- Truck turning overlaps are permitted on the driveway approach (if appropriately controlled). Conflicts from truck turning overlaps on the Department’s right-of-way are strictly prohibited.

In addition to other required documentation as part of a submission, the standard drawing shall be attached to the Highway Occupancy Permit (HOP) application. Not all well sites will require a driveway design that incorporates the design criteria outlined above. Examples of design criteria that may not be applicable: a well site which has water piped to the well and smaller trucks are used to transport the sand; or a well site where trucks will not make right turns out of the site. In these cases it may be appropriate to submit a modified driveway design with the application. Any modified design must have a justification for the modification and documentation of the ability of the driveway to accommodate the drilling and fracking traffic without creating a safety issue or conflict on the state highway.

Please note, all Permittee’s must comply with all applicable Pennsylvania and Federal Laws, Rules, and Regulations pursuant to 67 Pa. Code §441.6(2)) including environmental approvals and permits. As a means of clearly reminding the applicant, the following condition may be added to the Highway Occupancy Permit:

The Permittee must comply with all applicable Pennsylvania and Federal Laws, Rules, and Regulations pursuant to 67 Pa. Code §441.6(2)) including environmental approvals and permits prior to beginning hauling operations related to unconventional oil and gas development.
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PENNDOT Web Site: www.dot.state.pa.us → Special Interest Areas → Permits → Occupancy Permits