

Ohio Level I, II and III Aggregate Technician Training Summaries

Ohio Level I Aggregate Technician

Entitled: Stockpile Management, Recommended Practice for Building and Maintaining Quality Stockpiles & Proper Load-Out, Recovery and Sampling Techniques.

Stockpile Management is the key to our success as quality aggregate producers. It doesn't matter what we put in a stockpile if we don't use the proper techniques to recover the material from the stockpile. Additionally, proper stockpile construction and sampling are factors that definitely impact our daily operations. These areas are where the producer can most dramatically and quickly impact the quality of his operation.

What is covered? Topics covered in this one-day course include: Methods of Stockpiling, Segregation of Aggregates, Stockpile Recovery Techniques (Such as Load-out), Sources of Variation, Importance of Sampling and Sampling Techniques and Methods.

Who Should Attend? This course is suited for all personnel involved in your aggregate operation but especially "front-line" personnel such as loader-operators, plant operators and quality control technicians.

Prerequisites? There are no prerequisites for Level I Aggregate Technician Training. Experience in the field is helpful but not necessary. Class participation is highly encouraged to share real-life experiences when dealing with the topics covered.

Re-Qualification: 5 years

Classroom time: 8 hours

Ohio Level II Aggregate Technician

Level II Aggregate Technician Training is the same training that ODOT technicians are required to complete. This two-day training is designed to meet the requirements of Code of Federal Regulations Part 637 that states that all persons performing sampling and testing for acceptance decisions must be "qualified". It is more in-depth than Level I Technician Training and includes laboratory procedures and calculations.

What is covered? Sampling, Sample Reduction, Minus No. 200 by Washing (Decant), Sieve Analysis of Coarse and Fine Aggregates and Sieve analysis of Base Materials are covered. In addition, Unit Weight, Fractured Particles and Visual Deleterious Materials are also covered. The training is AASHTO based and utilizes FHWA training materials as supplemental teaching aids. Successful completion of a written test, as well as a hands-on demonstration of proper test procedures under the supervision of qualified and experienced laboratory technicians are required.

Who Should Attend? This course is intended for those personnel who may be involved in the above testing parameters for an aggregate operation. Depending upon the size of the operation, this might include: plant foremen, QC technicians, scale-house operators or any other person who may be responsible for monitoring the quality of the aggregates being produced and/or shipped.

Prerequisites? Successful completion of Ohio Level I Aggregate Technician Training is required prior to the completion of Level II. A basic knowledge of the procedures covered in Level II is helpful but not necessary. Basic math skills will be needed to complete the calculations involved.

Re-Qualification: 5 years

Classroom time: 8 hours, *Lab time:* 4 hours

Ohio Level III Aggregate Technician

Level III Aggregate Technician training is a two-day course that provides advanced training for technicians wishing to perform more comprehensive and detailed laboratory testing. Many of the testing requirements covered in Level III require equipment, chemicals and techniques not commonly available at many plants and/or laboratories. Those technicians that wish to be “Proficient” in any or all of the covered test methods, will be required to demonstrate proper utilization of the equipment and techniques under the supervision of the ODOT Central Laboratory.

What is covered? The majority of the content of this course is based on MTRAC training materials and supplemented with AASHTO and ODOT procedures. At the conclusion of this course the technician will complete a written (open book) examination. Completion of the exam will qualify the technician as a Level III Qualified Aggregate Technician.

The Level III qualified technician will have the option to become “Proficient” in selected laboratory procedures. Upon completion of the written examination the technician may request at his or her option, that samples be acquired on which the technician will receive a “Request for Proficiency” sample form. The ODOT Central Laboratory will contact the technician that has requested the Proficiency to schedule a time to complete the proficiency testing. The ODOT Central Lab notifies the OAIMA upon successful completion of the Proficiency testing and the information is included on the OAIMA website. Proficiency testing on deleterious materials will be provided during the written portion of the course.

Who should attend? This course is provided for those individuals who wish to perform and/or become familiar with more advanced Laboratory Testing techniques and procedures that are commonly used in Ohio. Depending on the size of the operation, this might include: plant foreman, QC technicians, scale-house operators or any other person interested.

Prerequisites? Successful completion of Ohio Level II Aggregate Technician Training is required prior to completion the Level III qualifications. Basic math skills will be needed to complete the calculations involved.

Re-Qualification: 5 years

Classroom time: 12 hours