

Recognition of Joseph Moylan

To whom the following may concern,

Joseph Moylan has been the lead Unit Instructor with the Nevada BLM Fire & Aviation State Engine Academy (BLM Engine Operator) out of Battle Mountain Nevada for the Hydraulics & Field Units since 2016. Joseph Moylan was first asked to become a part of the Cadre for the Academy due to his knowledge and desire to improve Engine Operators within the BLM in the use of Hydraulics and water handling on the fire ground safely. His abilities to move water on the fire ground & solve all problems while meeting the demands required handling multiple resources, for both air and ground resources.

Joe had noticed some missing technical elements that he felt should be included and had made changes that would be more effective and make pump operations safer for operators. Joe then completely re-wrote the ENOP Hydraulics unit and this included re-writing the pre-course work for the class as well, will still meeting the required elements by the BLM. Joe Moylan helped raise the standard of training for the course and provided new students the opportunity to learn to work with varied apparatus types & interconnect them in the field during relays. Created challenges that would tax their deducing skills that incorporated calculating 3-mile hose-lays for Relay operations, Determining BTU capacity, how to determine the GPM demand created by helicopters so they could then determine the right type and capacity of apparatus for the task.

Joe also taught aspects of hydraulics that the standard course does not contain as part of their normal course syllabus. A couple of such aspects includes Tandem Pumping Operations, Parallel Pumping operations and dangers, how to setup up for handling multiple remote helicopter dip sites that require their own separate water supply and calculating their needed water demands for non-stop operations. Requirements for tenders of tender shuttle relays and the number of resources required for this based upon the Fire specifications such as Rate of Spread and heat per unit area.

Another critical element that Joe taught involved determining the travel time of the water through the hose and determining if the tank would be empty before water reached the tank due to resources pulling more out before the water even arrived. Joe Moylan has been the sole Tender Operator for a district comprising approximately 10 million acres that would routinely require nearly a 2 hour turn around to shuttle water and yet there were only few times resources were waiting on water! There is a unique ability and capability with Joseph Moylan and anyone faced with a problem could seek his counsel in the matters of Fire Ground Hydraulics for the Wildland Fire Environment and he would determine a solution.

Joe's passion, knowledge, and desire has helped improve the NV BLM State Engine Academy that not only improves our firefighting capability but also provides our operators with the knowledge to do so safely. If there are any questions, please feel free to call me any time 775-635-0752

Respectfully,



Chad Holbert

Assistant Fire Management Officer