

**Hydro Operator Apprenticeship Program**  
**CLASS SYLLABUS**  
**AP HYDRO 108**  
(D.O.T. 710.281-030)  
Fall 2015

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**I. RULES AND REGULATIONS**

- Week 1: "Developing & Conducting Tailgate Sessions," (Energy-Safety Staff)  
CIPS Awareness Training (Training Section)
- Week 2: "IID's Procedures for Hazardous waste," (Hazmat)
- Week 3: "Electrical Shock," (Safety Staff)

**II. HYDRO PLANT AUXILIARIES (HEP 8)**

- Week 4: "Introduction to Hydro Plant Auxiliaries"  
"Auxiliary Equipment - I," (**Segment A – Video & WKBK**)
- Week 5: "Auxiliary Equipment - I," – *Continued* – Quiz  
"Auxiliary Equipment – II," (**Segment B – Video & WKBK**)
- Week 6: "Auxiliary Equipment – II," – *Continued* – Review Quiz  
"Auxiliary Systems – I," (**Segment C – Video & WKBK**)
- Week 7: "Auxiliary Systems – I," – *Continued* – Review Quiz  
"Auxiliary Systems – II," (**Segment D – Video & WKBK**)
- Week 8: "Auxiliary Systems – II," – *Continued* – **Exam**

**III. OPERATING ELECTRICAL EQUIPMENT (HEP 9)**

- Week 9: "Introduction to Operating Electrical Equipment"  
"Switchyard Equipment," (**Segment A - Video & WKBK**)
- Week 10: "Switchyard Equipment," – Quiz  
"The Switchyard Bus," (**Segment B – Video & WKBK**) - Quiz
- Week 11: "Station Service Electrical Supply," (**Segment C–Video & WKBK**) - Quiz
- Week 12: "DC Equipment," (**Segment D – Video & WKBK**) - Quiz

**IV. HYDRO PLANT OPERATION AND MAINTENANCE (HEP 10)**

- Week 13: "Operator's Responsibilities", (**Segment A - Video & WKBK**) - Quiz
- Week 14: "Powerhouse Operation", (**Segment B - Video & WKBK**)  
"Outdoor Operations", (**Segment C - Video & WKBK**) - Quiz
- Week 15: "Maintenance Activities", (**Segment D - Video & WKBK**) - Quiz
- Week 16: Final Exam**