DACUM Research Chart for Pump Installers

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Duties	Tasks																						
A Determine Client Needs	Respond to customer	A-2. Obtain basic customer information	A-3. Assess current water situation	A-4. Assess customer water system needs (e.g., number of occupants)	customer about	A-6. Trouble- shoot water problem over phone	A-7. Arrange for site visit																
B Assess Job Site	Determine	B-2. Determine safety concerns	B-3. Locate water source	B-4. Determine space available for pump equipment	existing utilities,	B-6. Determine exterior plumbing needs (e.g., building addition and land- scaping)	site for trenching	B-8. Prepare site plan and field notes	B-9. Comply with regulatory requirements														
C Determine System Component Requirements	C-1. Determine water source parameters	C-2. Test pump well	C-3. Videolog well	C-4. Evaluate test results (e.g., quality and capacity)	pump type	C-6. Select pipe type and size		C-8. Select water storage tank type and size	specialty components (mechanical/	C-10. Determine type of wellhead completion	C-11. Prepare customer contract												
D Prepare to Install the Pump	D-1. Finalize customer contract	D-2. Secure regulatory permits	D-3. Determine inventory on hand for job	D-4. Order pump system components	Schedule pump	D-6. Secure pump installation subcontrac- tors (e.g., electricians, backhoe operator)	D-7. Schedule pump system installation crew	D-8. Stock truck with consum- ables (e.g., tape, welding rods)		D-10. Load truck for specific job	load (e.g., trucks,	D-12. Perform D.O.T. inspection (e.g., truck, equipment)											
E Install Pump System	E-1. Drive to work site	E-2. Check the site visually	E-3. Position pumping supplies and equipment	E-4. Verify availability of pumping supplies and materials		E-6. Install pitless adapter		pump and motor		E-10. Set up pump hoist		E-12. Attach safety line to pump	E-13. Prepare drop pipe for installa- tion	E-14. Install pump and components	Connect	water storage tank	E-17. Install electrical controls	E-18. Test pumping system	E-19. Backfill the trench	E-20. Sterilize pumping system	E-21. Collect water sample	E-22. Complete pump system field sheet	E-23. Clean up job site
	Observe pump	F-2. Check pump system controls	F-3. Repair (replace) pump system controls	F-4. Check pump system electrical parameters (e.g., volts, amps, resistance)	F-5. Correct pump system electrical problem	F-6. Check pump oper- ation (e.g., pressure, cycle time, flow)	pump operation	F-8. Check water source parameters	F-9. Correct water source problem														
G Perform Ad- ministrative Activities	G-1. Acquire bonds and insurance	G-2. Maintain regulatory compliance (e.g., continuing education, CDL)	G-3. Manage company safety policy	G-4. Manage company inventory	Manage company accounts	G-6. Manage company accounts payable	G-7. Process water samples	G-8. Process field sheets	invoices	G-10. Create customer files	pump system	G-12. Initiate customer follow-up											