CENWP-OD 26 September 2016

MEMORANDUM FOR THE RECORD

COORDINATION TITLE – 16DET05 Minto Fish Facility Mortalities
DATE – 26 September 2016
PROJECT – Detroit/Big Cliff Dams, Minto Fish Facility
RESPONSE DATE – 11 October 2016

Description of the problem
On September 22, 2016, a circuit breaker in a control panel tripped while the hopper was lifting fish at the Minto Fish Facility around 0900. Willamette Valley Project staff responded immediately but could not safely access the control panel without a bucket truck. Power was restored within an hour, but approximately 60 hatchery spring Chinook salmon died in the hopper.

Type of change/outage required
NA

Impact on facility operation
Fish were trapped in the hopper and could not be transported.

Dates of impacts/repairs
September 26

Length of time for repairs
Approximately an hour

Expected impacts on fish
There were approximately 60 spring Chinook mortalities.

Comments from agencies
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-----Original Message-----
From: Lance Kruzic - NOAA Federal [mailto:lance.kruzic@noaa.gov]
Sent: Friday, September 23, 2016 3:26 PM
To: Stephanie Burchfield - NOAA Federal <stephanie.burchfield@noaa.gov>
Cc: Walker, Christopher NWP <Christopher.E.Walker@usace.army.mil>;
Allen, Chris <chris_allen@fws.gov>; Elise Kelley
<elise.x.kelley@state.or.us>; Jeffrey Ziller
<jeffrey.s.ziller@state.or.us>; Taylor, Gregory A NWP
<Gregory.A.Taylor@usace.army.mil>; Bernadette Graham Hudson
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Anne Mullan - NOAA Federal <Anne.Mullan@noaa.gov>; Turner, Daniel F NWP
<Daniel.F.Turner@usace.army.mil>; Ed Meyer - NOAA Federal
<ed.meyer@noaa.gov>; Jeffrey Brown - NOAA Federal
<Jeffrey.Brown@noaa.gov>; Greg Grenbemer (greg.a.grenbemer@state.or.us)
<greg.a.grenbemer@state.or.us>; Mackey, Tammy M NWP
<Tammy.M.Mackey@usace.army.mil>; Tom Friesen
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<tom.friesen@oregonstate.edu>
Subject: [EXTERNAL] Re: Minto Fish Facility Fish Mortalities

This fish kill involved listed hatchery salmon that are part of the ESU and protected. These fish represent the only remaining genetic reserve of the historic population in the North Santiam River and are very important for ongoing recovery efforts above the dams. We look forward to followup reporting on what happened, and most importantly what can be done to help prevent this from happening again in the future. Keep me in the loop please.

thanks,
Lance

-----Original Message-----
From: Stephanie Burchfield - NOAA Federal
[mailto:stephanie.burchfield@noaa.gov]
Sent: Friday, September 23, 2016 3:04 PM
To: Walker, Christopher NWP <Christopher.E.Walker@usace.army.mil>
Cc: Lance Kruzic - NOAA Federal <lance.kruzic@noaa.gov>; Allen, Chris <chris_allen@fws.gov>; Elise Kelley <elise.x.kelley@state.or.us>; Jeffrey Ziller <jeffrey.s.ziller@state.or.us>; Taylor, Gregory A NWP <Gregory.A.Taylor@usace.army.mil>; Bernadette Graham Hudson <bernadette.n.graham-hudson@state.or.us>; Ann Gray <Ann_E_Gray@fws.gov>; Sharpe, Cameron <Cameron.Sharpe@oregonstate.edu>; Anne Mullan - NOAA Federal <Anne.Mullan@noaa.gov>; Turner, Daniel F NWP <Daniel.F.Turner@usace.army.mil>; Ed Meyer - NOAA Federal <ed.meyer@noaa.gov>; Jeffrey Brown - NOAA Federal <Jeffrey.Brown@noaa.gov>; Greg Grenbemer (greg.a.grenbemer@state.or.us) <greg.a.grenbemer@state.or.us>; Mackey, Tammy M NWP <Tammy.M.Mackey@usace.army.mil>; Tom Friesen <tom.friesen@oregonstate.edu>
Subject: [EXTERNAL] Re: Minto Fish Facility Fish Mortalities

Chris,
Thanks for the quick notice. I'll be at Minto next Tues morning, and I'll be asking Greg Grenbemer about this incident as well as the one that happened a few weeks ago. We need to figure out what's causing these power interruptions... losing 60 adult fish during peak spawning period (even if they are hatchery fish) is not acceptable.

Stephanie Burchfield
Fisheries Biologist
NOAA Fisheries West Coast Region
U.S. Department of Commerce
1201 NE Lloyd Blvd, Suite 1100
Portland OR 97232

503-736-4720

On Fri, Sep 23, 2016 at 8:26 AM, Walker, Christopher NWP <Christopher.E.Walker@usace.army.mil <mailto:Christopher.E.Walker@usace.army.mil> > wrote:

FYSA - There was a power failure that affected the Minto Fish Facility. A circuit breaker in a control panel tripped while the hopper was lifting fish into a truck before 0900 yesterday. The elevated panel was not readily accessible. Willamette Valley staff from Detroit responded immediately but could not safely access the control panel without a man lift.

Power was restored within an hour, but approximately 60 hatchery Chinook died in the hopper.

More information and an MFR will follow.

Chris Walker
U.S. Army Corps of Engineers
Operations Division
Fish Biologist
w: 503-808-4316 <tel:503-808-4316>
c: 503-887-6452 <tel:503-887-6452>

Final results

Troubleshooting did not reveal a clear cause of the breaker trip. The control panel was clear of water, and there were no signs of equipment damage. As a contingency, the bucket truck will remain parked at Minto for the next week until fish transport operations at the Minto Fish Facility are concluded.

Please email or call with questions or concerns.
Thank you,

Chris Walker
NWP Operations Division Fish Section
503.808.4316
Christopher.E.Walker@usace.army.mil