



NPCE

National Precast Concrete Association

precast.org

STANDING WATER

THE OUTCOMES OF STANDING WATER

- ▶ STANDING WATER IS TRAPPED AND UNTOUCHED FOR DAYS
- ▶ NUMEROUS STANDING WATER DISEASES SUCH AS MALARIA, DENGUE, AND WEST NILE FEVER AFFECT HUNDREDS OF THOUSANDS EACH YEAR
- ▶ STANDING WATER ALSO CAUSES MOLD, PARASITES, AND BACTERIA BUILD UP CAUSING THESE VECTOR BORN ILLNESSES
- ▶ STANDING WATERS EXPOSURE TO AGROCHEMICALS EXPOSE THE BODY TO HARMFUL INHALANTS





HAZARDS AND WARNING SIGNS

- ▶ MAKE SURE ALL AREAS EXPOSED TO STANDING WATER ARE MARKED WITH A HAZARDOUS WARNING SIGN
- ▶ THIS INDICATES TO ALL VISITORS AND EMPLOYEES OF THE PLANT THAT SPECIFIC AREAS COULD CONTAIN SLIPPERY AND HAZARDOUS FLOORS

STACKING CATCH BASINS

- ❑ STACK ALL CATCH BASINS ON THEIR SIDE TO PREVENT STANDING WATER IF THE MEANS TO SAFELY LIFT EXISTS

CATCH BASIN RIGHT SIDE UP



CATCH BASIN ON ITS SIDE





LIDS AND CASTINGS

MAKE SURE ALL MANHOLES, CONES , AND CATCH BASINS ARE COVERED TO PREVENT STANDING WATER WHEN POSSIBLE



TANK CONTAINMENT

- ❑ ENSURE ALL TANK CONTAINMENTS ARE COVERED OR DRAINED PERIODICALLY
- ❑ GOOD HOUSEKEEPING PRACTICES CAN LOWER THE AMOUNT OF BACTERIA, PARASITES AND ALGAE THIS AREA CAN PRODUCE



ELIMINATING STANDING WATER

- ▶ IT IS IMPORTANT TO CLEAN ALL ACCESSIBLE AREAS THAT CONTAIN STANDING WATER
- ▶ SUBMERSIBLE PUMPS CLEAN THESE AREAS THE BEST BY PUMPING THE STANDING WATER THROUGH A HOSE



ENGINEERING CONTROLS

- ▶ REGRADING OR TRENCHING CAN BE USED AS DIVERSION TECHNIQUES TO ELIMINATE OR REDIRECT STANDING WATER
- ▶ IF ELIMINATION IS NOT POSSIBLE, RETAINING AREA SHOULD BE LOCATED AWAY FROM PERSONNEL AND TREATED TO REDUCE PARASITES

