



RESIDENTIAL RESTORATION

WATER DAMAGE RESTORATION

TUKWILA, WASHINGTON

Residential Restoration Case Study



LOSS EVENT

Sewage Backup &
Basement Flooding



DAMAGE PROFILE

Category 3
Contaminated Water



RESPONSE TIME

45-Minute
Emergency Response

THE PROBLEM



A sudden plumbing failure sent contaminated **Category 3 water** through a residential bathroom and into the lower living areas of a Tukwila property. Because sewage backups contain harmful microorganisms and biohazards, this situation created **immediate health risks** and required urgent professional intervention to protect the residents and the building structure.

The black water spread beyond the bathroom floor tiles, soaking into the subflooring, closet walls, and nearby carpeted areas. Without fast action, this type of moisture can cause **rapid structural damage**, wood rot, **mold growth**, and poor indoor air quality throughout the home.



THE RESTORATION PROCESS



01



IMMEDIATE ARRIVAL AND OCCUPANT ASSESSMENT

Disaster response demands clear communication. Upon arriving within 45 minutes, our crew chief immediately met with the property owners to walk them through the safety steps. Our team assessed the living conditions of the occupants, explained the health risks associated with Category 3 black water, and detailed how we would isolate the hazard to keep the rest of their home secure.



02



STRUCTURAL CONTAINMENT AND CRITICAL BARRIERS

Before a single piece of machinery turned on, our technicians built strict structural containment zones. Using heavy-duty plastic sheeting and tension poles, the team constructed critical barriers around the entire bathroom and affected lower rooms. This isolated the black water zone from the clean, unaffected areas of the house. We then established negative air pressure using HEPA-filtered air scrubbers to trap airborne particulates, preventing dangerous odor spores or pathogens from traveling into the upper-level breathing zones.



03



SANITIZATION AND DECONTAMINATION

With containment locked down, crew members donned full-body protective suits and advanced respiratory gear to begin direct remediation. Using professional-grade compression sprayers, the team applied EPA-registered disinfectants across the toilet area, walk-in shower basin, wall tiles, and glass partitions to neutralize all pathogens on contact.



04



CONTROLLED DEMOLITION

To address water tracking inside the wall cavities, technicians performed precise flood cuts. Removing the bottom two feet of ruined drywall in the closets and adjacent rooms exposed the wet wall studs and sill plates for direct cleaning.



05



TECHNICAL STRUCTURAL DRYING SETUP

Technicians placed high-capacity low-grain refrigerant (LGR) dehumidifiers alongside a localized setup of centrifugal and axial air movers. This configuration generated high-velocity airflow directly against the concrete slab and wood framing, drawing out deep moisture.

PROJECT CHALLENGES & ACTION STEPS



OCCUPANT SAFETY FIRST: Working with biohazards demands strict safety rules. Our communication strategy kept the homeowners fully informed at every stage, giving them peace of mind while our critical barriers kept their active living spaces safe.



DEEP CAVITY DRYING: Concrete foundations and wood studs trap moisture inside dark pockets. Our technicians used digital moisture meters to track the drying progress daily, leaving the equipment in place until every timber met normal regional dry standards.



GREEN PLANET RESTORATION OF SEATTLE

Your Local Experts in Emergency Property Restoration



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ABOUT GREEN PLANET RESTORATION

Green Planet Restoration of Seattle is a licensed, certified contractor providing 24/7 emergency restoration services across Greater Seattle. We handle water damage, fire damage, mold remediation, storm repair, and sewage cleanup—backed by expert insurance support. Our team responds within 45 minutes, using advanced equipment to restore homes and businesses safely. Trust Seattle's leading restoration experts—Green Planet Restoration of Seattle—for fast, professional recovery when disaster strikes.



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