

DRAFT CONSEQUENCE OF FAILURE WORKSHEET



Asset Class	
Purpose	
Process	
No. of Assets	
Comments	

LEVEL OF SERVICE CONSEQUENCES		Group Total: 45%
C1 - Potential Negative Effect on Public Health		<input type="text"/> 15% 0
Very High	Failure causes building backups (>5% of service area), possible loss of life (employees, traffic, sinkhole)	10
High	Failure causes building backups (>2% of service area), possible personal injuries	8
Medium	Failure causes building backups (25-100)	5
Low	Failure causes isolated building backups (1-10)	3
None	Failure does not cause building backups	0
C2 - Regulatory Consequence		<input type="text"/> 15% 0
Violation	Failure will cause a regulatory consequence	10
Possible	Failure may cause a regulatory consequence	5
No Violation	Failure will not cause a regulatory consequence	0
C3 - Disruption to the Community		<input type="text"/> 10% 0
Very High	Failure adversely affects freeways, hospitals, schools, and other community buildings or assets	10
High	Failure adversely affects arterial streets and several community buildings	8
Medium	Failure adversely affects many collector streets, isolated community buildings	5
Low	Failure adversely affects isolated streets and community buildings	3
None	Failure does not cause disruption to the community	0
C4 - Water Quality Impacts		<input type="text"/> 5% 0
Very High	Failure causes regional sanitary sewer overflows (>3 District)	10
High	Failure causes area wide sanitary sewer overflows (1 District plus local)	8
Medium	Failure causes multiple local sanitary sewer overflows or significant combined sewer overflows	5
Low	Failure causes an isolated local sanitary sewer overflows or some combined sewer overflows	3
None	Failure does not cause sanitary or combined sewer overflows	0
DIRECT COST CONSEQUENCES		Group Total: 30%
C5 - Mitigating Loss of Asset		<input type="text"/> 25% 0
Very High	Replacement, emerg. construction, cleanup & system damage costs greater than \$3,000,000	10
High	Replacement, emerg. construction, cleanup & system damage costs \$1,000,000 - \$3,000,000	8
Medium	Replacement, emerg. construction, cleanup & system damage costs \$300,000 - \$1,000,000	5
Low	Replacement, emerg. construction, cleanup & system damage costs \$100,000 - \$300,000	3
None	Replacement, emerg. construction, cleanup & system damage costs less than \$100,000	0
C6 - Additional Operating Costs		<input type="text"/> 5% 0
Very High	Additional energy, operating, maintenance costs greater than \$300,000	10
High	Additional energy, operating, maintenance costs \$100,000 - \$300,000	8
Medium	Additional energy, operating, maintenance costs \$30,000 - \$100,000	5
Low	Additional energy, operating, maintenance costs \$10,000 - \$30,000	3
None	Additional energy, operating, maintenance costs less than \$10,000	0
RISK CONSEQUENCES		Group Total: 25%
C7 - Operational Flexibility Risk		<input type="text"/> 15% 0
Very High	Loss of diversion/redundancy capabilities that will cause overflows or backups during wet weather	10
High	Loss of diversion/redundancy capabilities that will cause overflows during wet weather	8
Medium	Loss of diversion/redundancy that might cause overflows during wet weather, large impact to biosolids production	5
Low	Medium impact to biosolids production	3
None	Insignificant effect on diversion/redundancy or biosolids production	0
C8 - Availability-Return to Service or Replacement		<input type="text"/> 5% 0
Very High	Replacement or repair requires greater than 60 days for return to service	10
High	Replacement or repair requires 30 - 60 days for return to service	8
Medium	Replacement or repair requires 5 - 30 days for return to service	5
Low	Replacement or repair requires 0 - 5 days for return to service	3
None	Replacement or repair is immediate for return to service	0
C9 - Public Image Risk		<input type="text"/> 5% 0
Very High	Failure used as global example of bad planning	10
High	Failure reported nationally	8
Medium	Failure reported regionally (Chicago, Madison, Green Bay)	5
Low	Failure reported locally (TV and/or newspaper)	3
None	Failure reported internally only	0
Asset Class Consequence of Failure		0