

Bennington IDDE - Results Summary



Outfall ID:	Structure ID:	Status:
BTN-9	N/A	Elevated ammonia (1.45mg/L) and detergents (0.75ppm) led to follow-up. Only one CB drains to outfall - no flow on return visit. Suspect ammonia due to decaying organics - detergent due to car washing in residential lot. Do not suspect chronic illicit discharge.
BTN-11		Confirmed illicit discharge to this outfall. Discharge from cracked sump in SMH-1450. Repaired by Town of Bennington on 9-28-15.
BTN-11	CB-1081	High ammonia (2.77 mg/L), detergents (0.75 ppm), low bacteria (199 MPN/100ml). Canine alert. Televised line with Town of Bennington on 9-22-15 - no connections found. Do not suspect chronic illicit discharge.
BTN-11	CB-1384	High ammonia (1.56mg/L), high detergents (0.75ppm), very high bacteria (>2400MPN/100ml), 1 canine alert. Investigated CB with Town of Bennington - no connections to CB. Drained CB sump - did not refill over course of 5-6 days. Do not suspect chronic illicit discharge.
BTN-11	SMH-1386	Opened manhole - sampled small residual pool of water. Low bacteria (5MPN/100ml), low detergents (0.25ppm). Televised storm/sanitary lines with Town of Bennington - no observed cross connections. Do not suspect chronic illicit discharge.
BTN-11	SMH-1450	Confirmed illicit discharge. Found cracked sanitary manhole sump allowing sewage into storm line - very low/intermittent flows. Fixed by Town of Bennington on 9-28-15.
BTN-18		Outlet for underground stream - numerous pipes empty into box culvert carrying stream. Results at outlet inconclusive - investigated all CB/pipes draining to this outfall to eliminate possible concerns.
BTN-18	CB-42	Canine alert at this CB - dry during investigation. Dye testing and televising line revealed no connections from adjacent VFW Hall.
BTN-18	CB-72	Followed canine alerts into parking lot behind Madison Brewing Company. One canine alerting only. Found two small pipes into CB - one flowing intermittently. Moderate-high ammonia (1.68mg/L), low detergents (0.25ppm), bacteria not measured. Televised with Town of Bennington 11-17-15. One pipe definitely roof drain. Intermittently flowing pipe definitely sump pump - Town crew remembered installing. Could not televise line - too much water flow. Do not suspect chronic illicit discharge.
BTN-18	CB-86	Followed canine alerts to this CB. Both canines alerted on pooled water. Moderate ammonia (0.42mg/L), detergents (0.75ppm), low bacteria (63MPN). Televised with Town of Bennington on 11-17-15 - no possible connections found. Do not suspect chronic illicit discharge.
BTN-18	CB-199	Confirmed illicit discharge. Found evidence of intermittent dumping of restaurant wash water into CB. Referred to Town of Bennington. Town referred issue to State.

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BTN-18	SMH-114	Followed canine alerts to this manhole - dry on 9-3-15. Televised with Town of Bennington on 11-17-15 - found no possible connections. Do not suspect chronic illicit discharge.
BTN-20	CB-244 / CB-243	Canines alerted on CB-244 (dry all visits). Morgan Springs runs in CB-243 adjacent. Televised from CB-244 to CB-243 - no possible connections. Conducted canine investigation along Gage St - no alerts. Conducted canine investigation up line from CB-244 on Pratt St and above Energizer plant - results inconclusive. Do not suspect illicit discharge.
BTN-33	N/A	Do not suspect chronic illicit discharge. Slightly elevated ammonia (0.25mg/L), detergents (0.25ppm), 1 canine alert - no flow in upstream CBs.
BTN-54	N/A	Do not suspect chronic illicit discharge. Slight elevated ammonia (0.75mg/L) and detergents (0.25) at outfall - lower ammonia (0.55mg/L) and same detergents at upstream CB don't indicate issue.
BTN-64	N/A	Do not suspect chronic illicit discharge. Low ammonia (0.19mg/L) does not indicate issue. Outfall dry at follow-up visit.
BTN-86	CB-996	Do not suspect chronic illicit discharge on this line. High conductivity likely due to illicit discharge on BTN-105. Low ammonia (~0.5mg/L), low detergents (0.25ppm), and low bacteria (<1MPN/100ml) don't indicate other issues.
BTN-86	CB NEW 001	See Above
BTN-92	N/A	Do not suspect chronic illicit discharge. Low ammonia (0.11mg/L) and no detergents don't support illicit discharge determination. No canine alert.
BTN-100	N/A	Do not suspect chronic illicit discharge. Single-CB outfall. Suspect water quality results due to street washoff and decaying organic matter.
BTN-105	N/A	Confirmed illicit discharge. High conductivity (3350 uS/cm) and detergents (0.5ppm) as well as canine alert led to discovery of improperly connected paint sink from nearby hospital. Sink disconnected by hospital staff on 10-13-15.
BTN-106	Several	Conducted camera and dye testing of CBs on corner of Elm and Washington St - thought to lead to BTN-106. Dye Tests confirms this is not the case - CBs drain to BTN-11. Do not suspect illicit discharge at this outfall. Sent revised infrastructure data to VT DEC.
BTN-112	N/A	Do not suspect chronic illicit discharge. Low ammonia (0.09mg/L) likely due to stream from marshy area running through this outfall. No canine alerts.

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BTN-113	N/A	Do not suspect chronic illicit discharge. Staining due to iron-philic bacteria. Elevated ammonia (0.36mg/L) due to groundwater or decaying organic matter. No canine alert, no other indicators.
BTN-116	N/A	Unable to gain access. Do not suspect chronic illicit discharge. Low ammonia (0.22mg/L) and no detergents on initial visit.
BTN-120	N/A	Do not suspect chronic illicit discharge. Elevated ammonia (0.14mg/L) likely due to groundwater or organic matter decay. No canine alert, no other indicators.
BTN-128	CB-1406	Do not suspect chronic illicit discharge. Low ammonia (0.12 at outfall - 0.55mg/L at CB) and no detergents at outfall (0.25ppm at CB) - no canine alerts at CB where dripping flow observed.
BTN-130	N/A	Confirmed illicit discharge to this outfall by Town of Bennington on 8-12-15. Sag in storm line allowed leaking sanitary line joints to discharge sewage to storm line. 14' of sanitary pipe initially replaced. 1000' of sanitary line slip-lined on 8-24-15.
BTN-160	CB-3586	Do not suspect chronic illicit discharge. Low ammonia (0.13mg/L) and no detergents. CB evaluated by canines - no alert. High conductivity likely related to de-icing on campus.
BTN-209	Multiple	Slightly elevated ammonia (0.78mg/L), low detergents (0.25ppm), some potassium, chlorine, as well as canine alerts on several CBs support possible illicit discharge . Unable to confirm source using OB/dye testing.
BTN-214	N/A	Somewhat elevated ammonia (0.64 mg/L), no detergents, some potassium, no canine alert, and no presence of dye on test pad do not indicate issue.
BTN-228	N/A	Do not suspect chronic illicit discharge. Isolated storm system - no sanitary lines near, only highway landuse in this area.
BTN-235	N/A	Do not suspect chronic illicit discharge. Isolated storm system - no sanitary lines near, only highway landuse in this area.
BTN NEW 8	N/A	Do not suspect chronic illicit discharge. Outfall appears to carry diversion of Walloomsac River. Slightly elevated ammonia (0.36mg/L) and detergents (0.25ppm) don't indicate issue. Investigated upstream CBs - only one flowing (carrying diversion). No canine alerts except for CB-52.
BTN NEW 8	CB-52	Canine alert at this CB - dry during investigation. Found evidence of human fecal matter near CB. Possibly connected to local homeless population. Referred to VA Clinic - VA Clinic referred issue to building owners.

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BTN NEW 9	N/A	Do not suspect chronic illicit discharge. Outfall dry at all visits. Infrastructure not clearly mapped to this outfall.
BTN NEW 32	N/A	Do not suspect chronic illicit discharge. Outfall is small pipe that flushes regularly - linked to a sump pump (visually inspected pump). Water quality at outfall matches water in sump.
BTN NEW 53-54	N/A	Water discharging from small pressure relief pipes - high chlorine values. Confirmed broken water main with Town of Bennington - repaired as of 11-20-15.
BTN NEW 107	N/A	Do not suspect chronic illicit discharge. Old concrete pipe likely letting in groundwater - elevated ammonia (0.33mg/L) indicates anaerobic groundwater intrusion.
BTN NEW 201	CB-1028	Do not suspect chronic illicit discharge. Slightly elevated ammonia (0.13mg/L) and moderate detergents (0.25ppm) don't indicate issue. No canine alert.
BTN NEW 202	N/A	Do not suspect chronic illicit discharge. Water quality results indicated need for OB testing - OB testing negative.

Pawlet IDDE - Results Summary



Outfall ID:	Structure ID:	Status:
PWL-3	CB-121617 / CB-121616	Initial visit on 7-9-15 revealed moderate ammonia (0.45mg/L), low potassium (3ppm). Follow-up visit on 8-10-15 revealed no flow. Suspect ammonia due to presence of undefined underdrain pipe above CB-121616. Do not suspect chronic illicit discharge.
PWL-11		No flow observed on initial visit on 7-9-15. One canine alert during survey on 9-1-15. Dye tested from adjacent business 10-26 to 10-30-15 - no dye or optical brightener at outfall. Do not suspect chronic illicit discharge.
PWL-12		No flow observed on initial visit on 7-9-15. One canine alert at outfall and upstream CB on 9-1-15. Dye tested from residence to upstream CB 10-26 to 10-30 - no results. Smoke tested from Cb on 11-16-15 - observed smoke from sanitary vents at 75 School Street. Dye test and further investigation in CB inlet pipe revealed presence of dye. Confirmed illicit discharge 11-16-15. Reported to Town, VT DEC, and residents.
PWL-15	"Bird Bath"	Sampled from round metal pool with small pipe flowing into it - moderate conductivity (835 uS/cm), no ammonia, low detergents (0.25ppm) and low bacteria (82MPN) do not indicate illicit discharge. No canine alert. Smoke testing does not indicate any connections. Do not suspect chronic illicit discharge.
PWL-18		Moderate trickle flow on 7-9-15. Moderate ammonia (0.59mg/L), no other indicators. Follow-up on 8-14-15 revealed no flow. No canine alerts on 9-1-15. Do not suspect chronic illicit discharge.
PWL-19	Several	Could not reach outfall for initial sample on 7-9-15. Small trickle flow. Sampled from upstream CB on 8-14-15. Found no ammonia, low potassium (3ppm), low bacteria (58MPN). Investigated entire line with canines on 9-1-15 - one false alert only. OB tested - no presence found. Smoke tested on 11-16-15 - no connections found. Do not suspect chronic illicit discharge. Do suspect that frequent 'sewage' odor at this location due to a vent pipe near church above a tank and pumping station.
PWL-22		Moderate trickle flow on 7-9-15. Moderate ammonia (0.71mg/L), low potassium (2ppm). No flow observed on 8-10-15 follow-up. No flow observed on 9-1-15 canine investigation - no canine alerts. Do not suspect chronic illicit discharge.
PWL25	Several	Trickle flow on 7-9-15. Moderate ammonia (0.6mg/L), low potassium (2ppm). One canine alerted on 9-1-15. Both canines alerted on two 4" PVC underdrains. Tested flow - no ammonia, no detergents, some potassium (14ppm), low bacteria (16MPN). No OB presence. Unable to smoke test (pipes too small). Owner asserts that pipes are underdains - on-site septic installed in last 20 years. Suspect that canines may have been alerting on neighbor's septic vent pipe which is directly adjacent to small pipes.
PWL-NEW-100	Several	Outfall is actually end of culvert conveying runoff from small pond and a spring through a channel into Mill Pond. Initial results from 7-9-15 with moderate-high ammonia (0.94mg/L), potassium (10ppm), low detergents (0.25ppm), and low bacteria (120MPN) likely due to influence of decaying organic matter in pond, lawn fertilizer inputs, and animal feces. Follow-up investigations on 9-1-15 with canines show no alert on 'Upper Spring' but both canines alerted on 'Lower Spring'. Moderate-low detergents (0.5ppm) in Lower Spring, very low bacteria (<2MPN). Dye testing of Lower Spring from basement of adjacent house revealed no dye or OB. Do not suspect chronic illicit discharge.