

IBCD Maintenance Log

IBCD MAINTENANCE PROGRAM

Started 8/23/10

Up dated 2/10/17

The following data is being provided to inform our customers of our diligence in maintaining our system as problems occur. Various items of concern are addressed at each monthly meeting. Normal minor maintenance adjustments and repairs are not listed.

Record of Maintenance Items prior to 2011 on file w/ IBCD.

<u>COMPLETED IMPROVEMENTS & REPAIRS</u>			
<u>Date</u>	<u>Item</u>	<u>Servicing Contractor</u>	<u>Comments</u>
2016	Purchased Spare pump for Graham Lift Station	Gasvoda	
2016	Replaced pump for Indian boundary Lift station	Gasvoda	
2016	S.T.E.P. Omni Cell phone batteries replaced	MCO	
2016	Indian Boundary Lift Station Fails Pump	Gasvoda	
2015	S.T.E.P. Omni Cell phone cards replaced	MCO	
2015	Flow meter is not working and needs to be replaced (Indian Boundary Lift Station).	D&M	
2015	Graham Drive Lift Station installation of the new pump bases	Gasvoda	
2014	Installed Cast Iron Clean out covers	D&M	9 CO remain to be covered
2014	Indian Boundary Lift Station Fails Pump	Gasvoda	
Apr-June 2013	Easements	Lee Nagai	Locate and secure easements for force main South side of RR tracks to Porter Ave. D&M contracted for any excavating. Attorney D Hollenbeck finalizing documentation.
July 11,2013	Corrective Measures Project. Inspect items of concern indicated in original clean and inspect project Apr 2011-Mar 2012.	D&M and R&R	Jetting & Camera work completed. Cleanouts remain to be located and worked on.
July 10,2013	Installed new holding tank at 1780 IBR STEP Station.	D&M	Old tank was two piece. Mating flanges showed warpage and sides showed signs of weakening, Pump ran 170-200 times per day during rains due to leakage.
June 24, 2013	Graham Drive LS OMNI	Gasvoda	New firmware up loaded
Apr.12, 2013	Graham Drive LS Sludge in pump well.	D&M	Pumped and power washed pump well.
Apr.5, 2013	STEP Sta's 1501,1505,1780 &1800 Indian Bndry Rd CP Replacements. Modification of 1284 Brummit Sta CP.	Gasvoda	Replaced old control panels w/ new larger ones due to age and space confinements for additional requirements. Added Cct Brkr, utility recept and removed audible alarm from 1284.
Mar,11, 2013	Porter Ave Force Sewer main	D&M	Installed new air release valve.

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Feb.21, 2013	Lift & STEP Stations Inspections	Gasvoda	Controls and operation inspected. Pumps pulled and inspected at IBR & Gr Dr LS's. Heater in Gr Dr LS needs replacement
Feb,15, 2013	1256 Redbud Line Blockage	D&M	Excavate and repair blocked sewer lateral Tank to IBCD Line. Tank pumped on Feb 5 due to back up.
Feb. 01, 2013	1505 Indian Bndry Rd....STEP Station	Gasvoda	Replaced STEP Station pump and float
Nov.13 2012	Video Inspect & Cleaning Project Corrective Measures	D&M and R&R	Proposal by D&M from follow up work list furnished by IBCD, approved at 11/13/12 Board Meeting. Work to be scheduled for 2013.
Oct.16 2012	IBR Main Lift Station OMNI Battery	Gasvoda	Battery low and not charging. Charger tested and OK. Replaced battery. Additional battery purchased as spare. GR DR LS OMNI battery replaced in July2012.
Oct.15 2012	Air Release Valve Vaults	D&M	Forwarded signed Proposal to D&M for Vault inspections. Prep work compiled by L Nagai w/ maps and list for use by D&M. Inspection work in progress.
Oct.9 & 10 2012	STEP Stations-1284 Brummitt, 1501, 1505, 1780 & 1800 IBR	Gasvoda	Replaced mounting back boards and Installed new OMNI Viper units. 1800 IBR replaced bad alarm light.
Aug. 08 2012	Inspection of Main LS's and STEP Stations.	Gasvoda	All passed inspection. Replaced alarm float at 1780 and noted 1800 needs alarm light replaced.
June 25 thru Aug.15, 2012	Property Holding Tank Pumping	D & M Excavating	Properties last pumped in 2007 Had their tanks pumped, baffles videod, lids and seats cleaned and seals replaced as required. Replaced (2) tank lids and added riser to (1) tank.Total project completed. For details see Tank Pumping Schedule.
May 2012	Man Hole Lining Project	Culy Contracting Inc	Project completed on time and within budget.
April 2012	STEP Control Panel Replacement	Gasvoda	Control enclosure at 1284 No Brummitt badly damaged from vehicle accident. Replaced enclosure and re-installed devices.
Mar 2012	STEP Pump Replacements	Gasvoda	Replaced small lift station pumps and circuit breakers at 1780 and 1800 Indian Boundary Road properties. Pumps were burned out.

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<p>Nov. 2011 thru May 2012</p>	<p>Man Hole Rehabilitation Project</p>	<p>R V Sutton, Inc</p>	<p>Replaced three man holes on Dogwood drive. Cleaned, added adjusting rings, reset and reseal frames and covers for various man holes. Repaired and furnished new cast iron frames for various cleanouts. The forced main, running East on Dogwood Drive, was not located as indicated on As Build Drawings. This had to be rerouted around MH A2 at Dogwood and Arbutus in order to remove and install the new man hole.</p>
<p>Apr.2011 thru Mar.2012</p>	<p>Sanitary Sewer Video Inspection and Cleaning Project</p>	<p>D & M Excavating and R&R Video</p>	<p>Project completed. IBCD received DVD's and large Report Binder. No major problems found in the integrity of the system. A few road side cleanouts were found damaged, apparently by mowing crews, and were repaired. It was determined that in Graham Woods, there may be down spouts connected to our system as pieces and granules of roof shingles were found during the flushing of the lines. Also, heavy grease found in one of the runs in Graham Woods. These two items are not to be entering our system. Also found, Brummitt School does not have a holding tank as shown on the original drawings. It is direct fed via local man hole to IBCD man hole on Indian Boundary Road. A list of minor items requiring follow up was turned over to our engineer L Nagai.</p>
<p>9/12/2011</p>	<p>Semi-annual Lift Stations Inspections</p>	<p>Gasvoda</p>	<p>Completed. Awaiting reports from Gasvoda</p>
<p>9/13/2011</p>	<p>Sewer System Man Hole Inspections - Manhole Rehabilitation Project</p>	<p>NPES L. Nagai</p>	<p>Bid Documents Draft dated 09/10/11 submitted to IBCD at Sept. 13th meeting. Documents were reviewed and accepted. Bid release to be submitted to news papers. Bids due by 4pm on Oct.3, 2011 submitted to D. Simmers IBCD Clerk. IBCD to have Bid Opening of submittals afterwards w/ bidding contractors invited. This will be to let bidders know we have received.A review of submittals and recommendation to come at later date.</p>

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8/17/2011	IBR Lift Station Flowmeter Calibration	J.G.Innovation, LTD	Krohne Meter calibration 36413611 36414608 Before After Dif 999
Between Weeks of 6/6/2011 thru 8/31/2011	Spring Holding Tank Pump Downs and tank Inspections	D & M	Approximately 94 properties, equating to 67 holding tanks (combination of single and double tanks) had their solids pumped out this year. Each Tank pumped was also video inspected and the tank lid seals inspected. The Pumping Schedule can be viewed on line at www.ibcdonline.org . Work was completed w/ the exception of Brummitt School whose tank could not be located. Further investigation will be required. IBCD received disc of photos of tank baffles. 7 tanks could not be photographed due to depth of tanks and length of risers. All baffles and lids appear to be in acceptable condition.
5/31/2011	Graham Drive Pump #2 Repairs	Gasvoda	Seal Fail Alarm . P2 Pump pulled and taken to GAI shop for inspection. Pump requires repair of seal and bearing components. Pump ID SK 5-0101050. This pump appears to only be 2 years old. Pump under Warantee and a new one being shipped to GAI. P1 pump also pulled to verify nameplate info. P1 ID SK5-0100789. Both pumps have 2 HP rating at @14 FLA each. Also minor wiring changes at both Gr Dr and IBR lift sta's will be required to isolate the Seal Fail Alarms. Work Completed on noted date per Invoice #111IS0569.
5/16 & 17/11	Emergency Sewer Line Repairs See 5/15/2011 prblem below.	D & M for digging and sewer line repairs, and Sub-contractors for Free Flow and Ashalt replacement.	Wake Robin Sub Div, Dogwood Drive West of Redbud. Dug up street to locate line. Replaced T fitting, connections to main sewer line and line to property owner holding tank. A new cleanout was installed at connection to property tank pipe. Refilled hole, furnish new road surface and repairs to properties due to surface damage caused during the work.

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5/15/2011	Effluent Backup into Holding Tanks	D & M	Due to a recent blockage found in a T fitting on Dogwood Drive West of Redbud during the Clean and Inspect Project, the effluent was backing up into property holding tanks on Redbud North of Dogwood Drive. D&M sent out a crew to try and relieve the blockage. The system was relieved enough to force a good amount of effluent down stream to the West and lower the holding tank levels. It was determined emergency measures were required to make repairs in the system. See System Repairs 5/16 & 17.
4/29/11 thru 6/09/11	Sewer System Man Hole Inspections	NPES L. Nagai	Approximately 57 manholes and lids are being inspected. This does not include any cleanouts in the main sewer system runs. Photographs and final report to be presented to IBCD.
4/18/11 thru 5/31/11	Sanitary Sewer Video Inspection and Cleaning Project	D & M Excavating and R&R Video	Contractors performed work on said project. A few cleanouts found damaged and repaired. Two man holes found paved over and asphalt removed to expose them. Copies of written report and videos presented to IBCD 6/6/11 . IBCD to review and take action on any possible problem areas.
3/16/2011	2011 Spring Maintenance Pumping	D & M	D&M Proposal approved and signed by IBCD. Forwarded to D&M 3/16 via e-mail. Work to include inspection of holding tank cover seals. D&M to inform IBCD of start date.
3/8/2011	Service Agreement For Sanitary Sewer Video Inspection and Cleaning Project	D & M	Agreement signed 2/15/11 and forwarded to D. Hollenbeck. Copy to C. Seely 3/10 for file. Work to begin within 60 days at a time and date mutually agreed to by the Contractor and the District.
02/14/11	Graham Drive and Indian Boundary LS's	Gasvoda	Gr Dr LS New Pump BJM 2.0 HP Model SK1500C installed to replace pump w/ bad seal (see 01/17/11) due to repair cost. Control wiring reworked. Gr Dr & IBR LS's Unused Audible Alarms removed and Cabinet Leaks repaired.
02/11/11	"811" Line Locating	D & M	Proposal approved at 2/8/11 board meeting. Forms sent to D&M, completed by them, transmitted to and accepted by Indiana 811 Member Services.

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01/17/11	Graham Drive LS Pump and valve replacements	Gasvoda and D&M	Valves replaced and new BJM grinder pump 3.4 HP Model SK1500C installed to replace worn out pump. Other pump removed and taken to GAI shop to repair seal fitting.
01/14/11	IBCD Sewr Cleaning and Inspection Project	D & M Excavating	Per IBCD Board vote at Jan. 11 meeting, D&M was chosen as the contractor for said project. D&M was notified by D. Hollenbeck office of results. A Contract is being prepared between IBCD and D&M by D. Hollenbeck office. D&M prepared to start within 30 days, weather permitting.

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<u>PLANNED IMPROVEMENTS and INSPECTIONS</u>			
TBD=Date To Be Determined			
<u>Date</u>	<u>Item</u>	<u>Servicing Contractor</u>	<u>Comments</u>

<u>CONTRACTOR SERVICES UTILIZED BY IBCD</u>			
	Maintenance Manager Contracted	MCO Midwest Contract Operations	Started 2014
-	Lift Station Maintenance	GAI Gasvoda & Associates, Inc	Mechanical and Electrical Services
-	Sewer Maintenance and Holding Tank Cleanouts	D & M Excavating	Also "811" Line Locating as of 02/11/11
-	Flow Meter Signal Converter Annual Calibration	J.G. Innovation	D & M also utilized for pump down test and calculations for comparison to flowmeter readings.
-	Assist IBCD with 811 underground Location requests	D & M Excavating	
-	CAD Drawing Services	Superior Engineering	
-	Camera Inspections of sewer Lines	R & R Video	Worked w/ D&M on Sewer Clean and Inspect project
-	Printing Services	BRQ Quick Print Valparaiso, IN	For Drawing Prints and other services
-	Man Hole Lining Project	Culy Contracting	Repair and replace linings