

IBCD Maintenance Log

IBCD MAINTENANCE PROGRAM

Started 8/23/10 **Up dated 1/23/22**

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.

| COMPLETED IMPROVEMENTS & REPAIRS | | | |
|----------------------------------|---|-----------------------------|--|
| <u>Date</u> | <u>Item</u> | <u>Servicing Contractor</u> | <u>Comments</u> |
| 2023 | Annual lift station inspection | Superior Pumping Services | |
| 3/4/2023 | 1501 IBR | MCO | Replaces bad float switch |
| 2022 | Annual lift station inspection | Superior Pumping Services | |
| 4/13/2023 | IBR Lift Station Pump #1 | Superior Pumping Services | Repaired loose bolt |
| 4/3/2022 | IBR Lift Station Pump #1 | Superior Pumping Services | Repaired broken base connection, received spare pump |
| 2021 | Annual lift station inspection | Superior Pumping Services | |
| | Replaced Pump 1800 IBR | D&M MCO | |
| | Replace STEP Station 1475 IBR | MCO | Added OMNI monitoring |
| | Replaced Pump 1475 IBR | D&M | |
| | GD Lift Station | | tightened Loose bolts on pumps |
| | GD Lift Station | Superior Pumping Services | Replaced check valves |
| 2020 | Annual lift station inspection | Superior Pumping Services | |
| 15-Jun | GD Lift Station | Superior Pumping Services | Replaced failed pump |
| 15-Jan | Manhole inspection | MCO | |
| 2019 | Annual lift station inspection | Superior Pumping Services | |
| 15-Nov | GD Lift Station | Superior Pumping Services | Replaced pump |
| 15-Sep | 1780 STEP | D&M | Replaced pump |
| 15-Jun | Pump #1 Failed | Superior Pumping Services | Replaced pump |
| 2018 | Annual lift station inspection | Superior Pumping Services | |
| 2018 | Replaced Viper Units for STEP stations | MCO | Cell Card Changes |
| 2018 | 1505 IBR | MCO | Repair pump connection |
| 2018 | Completed Inspection of all holding tanks | D&M | Repair all defects reported |
| 2017 | Purchase 2 spare pumps for STEP Stations | MCO | Replace STEP station pump |
| 2017 | Annual lift station inspection | Superior Pumping Services | |
| 2017 | Repaired CO on Arbor drive | D&M | County Mower destroyed CO |
| 2017 | Replace failed STEP station circuit board | MCO | Power surge |

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| 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 additioal 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. |
| 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. |

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| 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 videoed, 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. |
| Nov. 2011 thru May 2012 | Man Hole Rehabilitation Project | R V Sutton, Inc | 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. |

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| Apr.2011 thru Mar.2012 | Sanitary Sewer Video Inspection and Cleaning Project | D & M Excavating and R&R Video | 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. |
| 9/12/2011 | Semi-annual Lift Stations Inspections | Gasvoda | Completed. Awaiting reports from Gasvoda |
| 9/13/2011 | Sewer System Man Hole Inspections - Manhole Rehabilitation Project | NPES L. Nagai | 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. |
| 8/17/2011 | IBR Lift Station Flowmeter Calibration | J.G.Innovation, LTD | Krohne Meter calibration 36413611 36414608 Before After Dif 999 |

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| 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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| PLANNED IMPROVEMENTS and INSPECTIONS | | | |
| TBD=Date To Be Determined | | | |
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| <u>CONTRACTOR SERVICES UTILIZED BY IBCD</u> | | | |
|---|--|---------------------------------|---|
| | Maintenance Manager Contracted | MCO Midwest Contract Operations | Started 2014 |
| - | Lift Station Maintenance | Superior Pumping Services | 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 |