

NOVATO SANITARY DISTRICT OVERFLOW REPORTING

COLLECTION SYSTEM OVERFLOWS FOR JULY 2010

The Novato Sanitary District Collection System had following overflows for July 2010:

Thursday, July 8, 2010, 101 Baruna Ct, Novato CA, 60 gallon SSO, Event ID 755853, Certification ID 304674 – 100% Recovered

Friday, July 23, 2010, 2468 Vineyard Rd, Novato CA, 25 gallon SSO, Event ID 753206, Certification ID 898798 –0% Recovered

EVALUATION OF OVERFLOWS FOR JULY 2010

101 Baruna Ct: This discharge of approximately 60 gallons was caused by a grease blockage in the sewer main line. District personnel cleared the blockage and recovered 100 percent (60 gallons) of the discharge and 100% of the wash down water. The discharge water remained in the street, curb and gutter, and storm drain. District staff televised the sewer main and found grease deposits in the District main. This line segment was added to the cleaning schedule on a 12 month frequency. This overflow did not impact any drainage ditches or waterways.

2468 Vineyard Rd: This partial blockage resulting in a discharge of approximately 25 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and recovered 0 percent (0 gallons) of the discharge water. The manhole was not overflowing when District staff arrived. The discharge water was contained in an open ground area covered with ivy, making recovery impossible. District staff televised the sewer main and found root intrusion and a hole in the District main. This line segment was added to the main line repair project and should be repaired during the fiscal year 2010/2011. District staff will clean this line segment on a 6 month frequency until it has been repaired. This overflow did not impact any storm drains, drainage ditches, or waterways.

COLLECTION SYSTEM OVERFLOWS FOR JUNE 2010

The Novato Sanitary District Collection System had following overflows for June 2010:

Sunday, June 6, 2010, 365 Alameda Del Prado, Novato CA, 9,950 gallon SSO, Event ID 753083, Certification ID 377569. – 100% Recovered.

Tuesday, June 22, 2010, 66 Eglin Ct, Novato CA, 50 gallon SSO, Event ID 755019, Certification ID 192729 – 0% Recovered.

EVALUATION OF OVERFLOWS FOR JUNE 2010

365 Alameda Del Prado: This discharge of approximately 9,950 gallons was caused by a root blockage in the sewer main line. District personnel cleared the blockage and recovered approximately 50 percent (4,975 gallons) of the discharge and 100% of the wash down water. There was no visual impact to drainage ditch leading to Pacheco Creek due to this overflow. No Public Notification signs were posted or samples taken due to the location of the outfall and lack of access to the discharge point in the ditch. County of Marin Environmental Health Dept. Staff (Robert Turner) was notified at 12:21 hours of this event. District staff televised the sewer main and found minor root intrusion in the District main. All appropriate Agencies were notified. The Office of Emergency Services was called at 16:38 hours; the Control number is 10-3470. The Regional Board office was notified via telephone at 12:18 hours, Spill ID 1426, the CIWQS SSO Event I.D. is 753083, Certification # 377569. This line segment has been added to the District's short term preventative maintenance program on a 12 month cycle to prevent further problems in this area.

66 Eglin Ct: This discharge of approximately 50 gallons was caused by a large rock in the sewer main line. District personnel cleared the blockage and recovered approximately 0 percent (0 gallons) of the discharge. District staff televised the sewer main and found no problems in the District main. This incident has been determined to be vandalism. This line segment is now on a 60 month cleaning schedule and due to the nature of the stoppage, it was not deemed appropriate to put it on a short term cleaning schedule.

COLLECTION SYSTEM OVERFLOWS FOR MAY 2010

The Novato Sanitary District Collection System had following overflows for May 2010:

Tuesday, May 11, 2010, 882 McClay Rd, Novato CA, 25 gallon SSO, Event ID 753202, Certification ID 403860 – 100% Recovered

Thursday, May 20, 2010, 1206 Ridgeview Heights, Novato CA, 5 gallon SSO, Event ID 753206, Certification ID 898798 – 100% Recovered

Monday, May 24, 2010, 1601 Hotchkin Dr, Novato CA, 5 gallon SSO, Event ID 753207, Certification ID 890367 – 100% Recovered

EVALUATION OF OVERFLOWS FOR MAY 2010

882 McClay Rd: This discharge of approximately 25 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and recovered 100 percent (25 gallons) of the discharge and 100% of the wash down water. The discharge water remained in the street, curb and gutter, and dirt road border. District staff televised the sewer main and found root intrusion in the District main. This line segment was added to the cleaning schedule on a 12 month frequency. This overflow did not impact any storm drains, drainage ditches, or waterways.

1206 Ridgeview Heights: This partial blockage resulted in a discharge of approximately 5 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and recovered 100 percent (5 gallons) of the discharge and 100% of the wash down water. The manhole was not overflowing when District staff arrived. The discharge water remained in the street, curb and gutter. District staff televised the sewer main and found root intrusion in the District main. This line segment was added to the cleaning schedule on a 12 month cleaning frequency. This overflow did not impact any storm drains, drainage ditches, or waterways.

1601 Hotchkin Dr: This partial blockage that resulted in a discharge of approximately 5 gallons was caused by grease and debris in the sewer main line. District personnel cleared the blockage and recovered 100 percent (5 gallons) of the discharge and 100% of the wash down water. The rodding inlet was not overflowing when District staff arrived. The discharge water remained in the street, curb and gutter. District staff televised the sewer main and found grease and debris in the District main. Residential grease abatement door hangers will be distributed in this neighborhood. This line segment is currently on a 12 month cleaning frequency and will remain at that frequency due to the nature of the stoppage. This overflow did not impact any storm drains, drainage ditches, or waterways.

COLLECTION SYSTEM OVERFLOWS FOR APRIL 2010

The Novato Sanitary District Collection System had following overflows for April 2010:

Thursday, April 1, 2010, 1801 Marion Ave, Novato CA, 50 gallon SSO, Event ID 752544, Certification ID 207649 – 100% Recovered.

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EVALUATION OF OVERFLOWS FOR APRIL 2010

1801 Marion Ave: This discharge of approximately 50 gallons was caused by decorative rock debris in the sewer main line. District personnel cleared the blockage and recovered 100 percent (50 gallons) of the discharge and 100% of the wash down water. The discharge water remained in the street, curb, and gutter, and did not enter the storm drain system. District staff televised the sewer main and found decorative rock in the District main immediately downstream from the rodding inlet, affecting one lateral connection. This line segment is currently on a 12 month cleaning schedule and will remain at that frequency due to the nature of the blockage.

COLLECTION SYSTEM OVERFLOWS FOR MARCH 2010

The Novato Sanitary District Collection System had following overflows for March 2010:

Tuesday, March 23, 2010, 75 Pebble Beach Dr, Novato CA, 84 gallon SSO, Event ID 750917, Certification ID 346492 – 50% Recovered

Saturday, March 27, 2010, 0 Deer Island Lane, Novato CA, 25 gallon SSO – 0% Recovered

EVALUATION OF OVERFLOWS FOR FEBRUARY 2010

75 Pebble Beach Dr: This discharge of approximately 84 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and recovered approximately 50 percent (42 gallons) of the discharge and 100% of the wash down water. There was no visual impact to Arroyo de San Jose due to this overflow. No Public Notification signs were posted or samples taken due to

the size of the overflow and lack of access to the discharge point in the Arroyo. County of Marin Environmental Health Dept. Staff (Robert Turner) was notified at 13:45 hours of this event. District staff televised the sewer main and found root intrusion in the District main. All appropriate Agencies were notified. The Office of Emergency Services was called at 14:26 hours; the Control number is 10-1963. The Regional Board office was notified via electronic report at 14:48 hours, Spill ID 1246, the CIWQS SSO Event I.D. is 750917, Certification # 346492. This line segment has been added to the District's preventative maintenance program to prevent further problems in this area.

0 Deer Island Lane: While operating a by-pass pump during the lift station upgrade for Deer Island pump station, District personnel found one of the cam lock fittings had vibrated loose on the pump during a routine check. This event resulted in a discharge of approximately 25 gallons of sewage to open ground at the construction site. The sewage soaked into the disturbed earth at the site making recovery impractical. The cam lock fittings on the pump were taped closed to eliminate further problems. The discharge was fully contained on site, no water ways, storm drains, or drainage ditches were impacted by this event.

COLLECTION SYSTEM OVERFLOWS FOR FEBRUARY 2010

The Novato Sanitary District Collection System had following overflows for February 2010:

Thursday, February 11, 2010, 674 Olive Ave, Novato CA, 2,280 gallon SSO, Event ID 749355, Certification ID 870239 – 10% Recovered

Thursday, February 25, 2010, 257 Marin Valley Dr, Novato CA, 6,600 gallon SSO, Event ID 749834, Certification ID 804133 – 0% Recovered

Sunday, February 28, 2010, 423 San Carlos Way, Novato CA, 500 gallon SSO, Event ID 750103, Certification ID 127917 – 10% Recovered

EVALUATION OF OVERFLOWS FOR FEBRUARY 2010

674 Olive Ave: - This discharge, approximately 2,280 gallons, manifested from an open lateral cleanout located at 674 Olive Ave. The cleanout was opened by the resident to avoid discharge into his house. The cleanout is located 6 feet away from a yard drain directly connected to a City of Novato storm drain. The first occurrence happened on Thursday, 2/4/2010, from 08:00 to 20:00 and

discharged at a rate of 2 gpm, per the resident, for that 12 hour period and then stopped. The following day the resident snaked his lateral, cleared out some roots, and thought the problem resolved. NSD was not notified of the discharge at that time. On Thursday, 2/11/2010, at 07:30, the resident had the same problem again, opened the cleanout again, and at 13:30 notified NSD so we could check our main. NSD staff arrived at 14:00 and found the District main partially blocked and the manhole upstream from the address surcharged. District personnel cleared the blockage at 14:35, cleaned up the overflow site, and flushed and vacuumed out the storm drain from point of entry to point of discharge at Rush Creek. District staff estimates that 10% (228 gallons) of the discharge water was recovered. Marin County Environmental Health Dept. (Robert Turner) was notified and the creek posted with warning signs. There was no visual impact to the creek. All appropriate Agencies were notified. The Office of Emergency Services was called at 15:29 hours; the Control number is 10-1099. The Regional Board office was notified via electronic report at 19:43 hours, Spill ID 1196, the CIWQS SSO Event I.D. is 749355, Certification # 870239. This main was chemically treated for roots in November, 2009, and is scheduled for replacement as part of the District's Capital Improvement Program in 2010.

257 Marin Valley Dr: This discharge of approximately 6,600 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and were unable to recover a measurable volume of the overflow but did recover 100% wash down water. There was no visual impact to Pacheco Creek due to this overflow. Public Notification signs were posted and the District's sampling protocol was initiated and the results reported to County of Marin Environmental Health Dept. Staff televised the sewer main and found root intrusion at the upstream manhole. All appropriate Agencies were notified. The Office of Emergency Services was called at 21:30 hours; the Control number is 10-1406. The Regional Board office was notified via electronic report at 22:05 hours, Spill ID 1214, the CIWQS SSO Event I.D. is 749834, Certification # 804133. This line segment has been added to the District's high frequency preventative maintenance program to prevent further problems in this area.

423 San Carlos Way: Root intrusion resulted in a partial blockage that resulted in an overflow of approximately 500 gallons that entered the storm drain and discharged into a drainage channel with an outfall into Novato Creek. Local residents reported seeing the manhole overflow on 2/28/2010, but did not report the problem to NSD until 13:52 hours on 3/1/2010. District staff relieved the partial stoppage and cleaned up the discharge site and recovered about 50 gallons (10%) from the overflow site. Staff then vacuumed up approximately 1,000 gallons from the storm drain system $\frac{1}{4}$ to $\frac{1}{2}$ miles downstream from the overflow site in an attempt to recover as much of the discharge as possible. Storm drain flows were significant due to recent rain events. Public Notification signs were posted and the District's sampling protocol was initiated and the

results reported to County of Marin Environmental Health Dept. Staff televised the sewer main and found root intrusion at multiple points in the District main line. All appropriate Agencies were notified. The Office of Emergency Services was called at 21:30 hours; the Control number is 10-1406. The Regional Board office was notified via electronic report at 22:05 hours, Spill ID 1214, the CIWQS SSO Event I.D. is 749834, Certification # 804133. Cleaning frequency was increased to alleviate the problems found until the most effective course of action is determined.

COLLECTION SYSTEM OVERFLOWS FOR JANUARY 2010

The Novato Sanitary District Collection System had following overflows for January 2010:

Wednesday, January 20, 2010, 0 Center Rd, Novato CA, 4500 gallon SSO, Event ID 748503, Certification ID 382259 – 0% Recovered

Wednesday, January 20, 2010, 1211 Chase ST, Novato CA, 675 gallon SSO, Event ID 748502, Certification ID 733560 – 0% Recovered

Monday, January 25, 2009, 1112 Seventh St, Novato CA, 500 gallon SSO, Event ID 748803, Certification ID 438198 – 50% Recovered

EVALUATION OF OVERFLOWS FOR JANUARY 2010

0 Center Rd: - A storm related surcharge overflow of approximately 4500 gallons occurred at the intersection of Center Rd and Western Dr, Novato, CA 94947 on Wednesday, 1/20/10 from approximately 8:00 am to 8:45 pm. This overflow occurred due to capacity issues created by an intense storm and severe Inflow and Infiltration. District staff was able to limit the impact of this discharge through by-pass pumping. The overflow entered the storm drain system and discharged into Warner Creek. The District was unable to recover any of the overflow water from the creek which was at flood stage when the overflow occurred. Sampling was not initiated for the same reason. There was no visual impact to the creek. All appropriate Agencies were notified. The Office of Emergency Services was called at 11:30 hours, the Control number is 10-0464. Region 2 Water Quality Control Board staff was notified via electronic report at 12:13 hrs, Spill ID 1120, the CIWQS SSO Event I.D. is 748503, Certification # 382259. The District has replaced a portion of this tributary and is in design to replace the upstream line segments to correct this problem in 2010.

1211 Chase St: A storm related surcharge overflow of approximately 675 gallons occurred at 1211 Chase St, Novato, CA 94947 on Wednesday, 1/20/10 from approximately 9:15 am to 10:00 am. This overflow occurred due to capacity issues created by an intense storm and severe Inflow and Infiltration. The overflow entered the storm drain system and discharged into Rush Creek. The District was unable to recover any of the overflow water from Rush Creek which was at flood stage when the overflow occurred. Sampling was not initiated for the same reason. There was no visual impact to the creek. All appropriate Agencies were notified. The Office of Emergency Services was called at 11:30 hours, the tracking number is 10-0464. Region 2 Water Quality Control Board staff was notified via electronic report at 11:57, the SSO spill I.D. is 1119, the CIWQS SSO Event I.D. is 748502, Certification # 733560. The District has a 2010 CIP project scheduled to address the problems in this area.

1112 Seventh St: This discharge of approximately 500 gallons was caused by root intrusion in the sewer main line. District personnel cleared the blockage and recovered 50% of the overflow and 100% wash down water from the curb and gutter as well as the storm drain catch basin and pipe. There was no visual impact to Novato Creek due to this overflow. Staff televised the sewer main and found root intrusion at multiple points in the main. The cleaning schedule has been adjusted to a shorter interval until the root problem can be addressed through chemical root abatement or replacement of the damaged pipe.

COLLECTION SYSTEM OVERFLOWS FOR DECEMBER 2009

The Novato Sanitary District Collection System had following overflows for December 2009:

Tuesday, December 22, 2009, 0 Midway Blvd, Novato CA 94947, 75 gallon SSO, Event ID 7747921, Certification ID 188324 – 100% Recovered

Saturday, December 26, 2009, 0 San Marin Dr, Novato CA 94945, 250 gallon SSO, Event ID 747923, Certification ID 990633 – 80% Recovered

EVALUATION OF OVERFLOWS FOR DECEMBER 2009

0 Midway Blvd: This discharge was caused by a partial root blockage in the District main. This caused a discharge of approximately 75 gallons from the upstream manhole to the street and gutter. The Novato Sanitary District was notified of the discharge at 13:40 on 12/22/2009. The blockage was relieved by District staff at approximately 13:55 and cleanup operations started. The discharge was 100 percent contained and recovered. Video inspection of the line segment showed extensive root intrusion and fractured pipe and is currently being assessed by District engineering staff. This line segment was added to the Preventative Maintenance schedule on a short term frequency until the line segment can be repaired/replaced. No storm drains, drainage ditches or waterways were affected by this discharge.

0 San Marin Dr: This discharge was caused by a grease blockage in the District main. This resulted in an overflow of approximately 250 gallons to the street, curb and gutter. Novato Sanitary District was notified at 09:53 on Saturday, December 26, 2009. District staff relieved the stoppage at approximately 10:25 with a hydro-vac truck. The hydro-flusher crew washed down and cleaned up the area; volume recovered was approximately 80 percent or about 200 gallons. The remainder soaked into the open ground area along the road. The cleaning frequency of this line segment has been upgraded to a 3 month schedule. CCTV inspection of the affected main shows the line segment to have significant sags in the line and is currently being assessed by NSD Engineering staff. Grease abatement fliers were distributed in the area serviced by this line segment. No storm drains, drainage ditches or waterways were affected by this discharge.

COLLECTION SYSTEM OVERFLOWS FOR NOVEMBER 2009

The Novato Sanitary District Collection System had following overflows for November 2009:

Friday, November 12, 2009, 0 Railroad Ave, Novato CA 94945, 9,000 gallon SSO, Event ID 748758, Certification ID 523545 – 99% Recovered

Thursday, November 26, 2009, 38 San Benito Way, Novato CA 94945, 1120 gallon SSO, Event ID 747144, Certification ID 648693 – 1% Recovered

EVALUATION OF OVERFLOWS FOR NOVEMBER 2009

0 Railroad Ave: This discharge was caused when a contractor drilling for soil samples for a Novato Sanitary District sewer main replacement project, hit the 27 inch force main to the Olive Ave pump station approximately 100 feet south of Olive Ave on Railroad Ave. This caused a discharge of approximately 9,000 gallons from hole in the force main to the street and gutter. Approximately 150 gallons exited the street into a dry ditch along the road. The ditch was immediately bermed in multiple locations to contain that portion of the discharge, while hydro-flusher trucks were used to vacuum up the majority of the spill volume from the gutter. The discharge was fully contained and all but approximately 150 gallons (99%) was recovered. By-pass pumps are set up at Olive Ave pump station and operated throughout the repair operation until the pump station was returned to service. No storm drains or waterways were affected by this discharge.

38 San Benito Way: This discharge was caused by a root/grease blockage in the District main. This resulted in an overflow of approximately 1.120 gallons to the storm drain. Novato Sanitary District was notified at 13:33 on 11-26-2009. District staff relieved the stoppage at approximately 14:25 with a hydro-vac truck. The discharge entered the storm drain system approximately 10-15 feet from the discharge manhole. This storm drain system drains into Novato Creek. The hydro-flusher crew washed down and cleaned up the area; volume recovered was less than 1 percent. Novato Creek was posted and sampled in response to this incident as per District protocol and at the direction of Robert Turner, Marin County Environmental Health Dept.

COLLECTION SYSTEM OVERFLOWS FOR OCTOBER 2009

The Novato Sanitary District Collection System had following overflows for October 2009:

Thursday October 1, 2009, 812 Reichert Ct, Novato CA 94945, 220 gallon SSO, Event ID 744308 – 100% Recovered

Saturday, October 31, 2009, 1141 Elm Dr, Novato CA 94945, 15 gallon SSO, Event ID 744535 – 33% Recovered

EVALUATION OF OVERFLOWS FOR OCTOBER 2009

812 Reichert Ct: This discharge was caused by a partial root blockage in the District main. Approximately 220 gallons discharged from a manhole adjacent to the street and entered the storm drain at Reichert Ct and Reichert Dr. District personnel relieved the stoppage and cleaned up the overflow by washing down the area, cleaning the impacted storm drain and recovering all of the wash-down and discharge water. District staff followed the storm drain until dry pipe was located and cleaned to that point. CCTV inspection showed root intrusion in the main and this line segment will be added to our chemical root abatement program for this year and treated in November, 2009. 100 percent of the overflow was recovered and there was no impact to drainage channels or surface waters as a result of this discharge.

1141 Elm Dr: This discharge was caused by a partial root blockage in the District main. Approximately 15 gallons discharged from the property side cleanout in the resident's backyard. District personnel relieved the stoppage and cleaned up the overflow by removing contaminated soil and debris from the area. CCTV inspection showed root intrusion in the main and this line segment and it will be added to our chemical root abatement program for this year. It will be treated in November, 2009 and cleaned afterwards on an increased frequency after the chemical root abatement. 33 percent of the overflow was recovered and the remainder soaked into the back yard area. There was no impact to storm drains, drainage channels, or surface waters as a result of this discharge.

COLLECTION SYSTEM OVERFLOWS FOR SEPTEMBER 2009

The Novato Sanitary District Collection System had following overflows for September 2009:

Friday, September 4, 2009, 260 Country Club Dr, Novato CA 94949, 200 gallon SSO, Event ID 744308 – 100% Recovered

Thursday, September 10, 2009, 859 Atherton Ave, Novato CA 94945, 750 gallon SSO, Event ID 744535 – 4% Recovered

Wednesday, September 23, 2009, 14 Nina Dr, Novato CA 94949, 25 gallon – SSO - 100% Recovered

EVALUATION OF OVERFLOWS FOR SEPTEMBER 2009

260 Country Club Dr: This discharge was caused by a partial root blockage in the District main. Approximately 200 gallons discharged from the manhole in street in front of 260 Country Club Dr and entered the storm drain at Eagle Dr. District

personnel relieved the stoppage and cleaned up the overflow by washing down the area, cleaning the impacted storm drain and vacuuming the wash-down and cleaning water. District staff followed the storm drain until dry pipe was located and cleaned to that point. CCTV inspection showed root intrusion in the main and this line segment will be added to our chemical root abatement program for this year and treated in October, 2009. 100 percent of the overflow was recovered and there was no impact to drainage ditches, or surface waters as a result of this discharge.

859 Atherton Ave: This discharge was caused by a partial root blockage in the District main. Approximately 750 gallons discharged from the manhole in an open ground easement area. District personnel relieved the stoppage and cleaned up the overflow by removing contaminated soil and debris from the area. CCTV inspection showed root intrusion in the main and this line segment and the line segments above it will be added to our chemical root abatement program for this year. It will be treated in October, 2009 and cleaned afterwards on a 6 month frequency. 4 percent of the overflow was recovered and the remainder soaked into the open ground area. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.

14 Nina Dr: This discharge was caused by a partial root blockage in the District main. Approximately 25 gallons discharged from the manhole in the driveway to 14 Nina Dr. District personnel relieved the stoppage and cleaned up the overflow by washing down the area and vacuuming the discharge and wash-down water from the street. District staff recovered 100 percent of the overflow. CCTV inspection of the main line found evidence of root intrusion in the District main during the inspection. The District will maintain this line segment using an accelerated P.M. schedule and chemical root abatement until the problems with the main can be corrected. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.

COLLECTION SYSTEM OVERFLOWS FOR AUGUST 2009

The Novato Sanitary District Collection System had following overflows for August 2009:

Tuesday, August 4, 2009, 992 Bel Marin Keys Blvd, Novato CA 94949, 5 gallon SSO – 100% Recovered

Monday, August 24, 2009, 8 Commercial Ct, Novato CA 94945, 50 gallon SSO – 100% Recovered

Monday, August 31, 2009, 3 Salvatore Dr, Novato CA 94949, 580 gallon SSO – 100% Recovered

EVALUATION OF OVERFLOWS FOR AUGUST 2009

992 Bel Marin Keys Blvd: This discharge was caused by structural failure of a District force main. Approximately 5 gallons discharged from the point of the break and leaked into the gutter. District personnel cleaned up the immediate area and recovered 100 percent of the discharge water that reached the sidewalk and gutter. A contractor hired by the District repaired the pipe. District staff is currently investigating a realignment project to replace this force main and others in the immediate area. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.

8 Commercial Ct: This discharge was caused by a partial grease blockage in the District main. Approximately 50 gallons discharged from the manhole in front of 8 Commercial Ct. District personnel relieved the stoppage and cleaned up the overflow by washing down the area, cleaning the impacted storm drain 100 feet in each direction and vacuuming up the wash-down and cleaning water. CCTV inspection showed grease deposits in the main and this line segment will be added to our short term P.M. schedule. Grease abatement fliers will be distributed in the area. 100 percent of the overflow was recovered and there was no impact to drainage ditches, or surface waters as a result of this discharge.

3 Salvatore Dr: This discharge was caused by a grease/rags blockage in the District main. Approximately 580 gallons discharged from the back flow prevention device in front of 3 Salvatore Dr. District personnel relieved the stoppage and cleaned up the overflow by washing down the area and vacuuming up the discharge and wash-down water from the street and storm drain. District staff recovered 100 percent of the overflow. CCTV inspection of the main line found evidence of grease deposits and sags in the District main during the inspection. The District will maintain this line segment using an accelerated P.M. schedule until the problems with the main can be corrected. Residential grease abatement fliers have been distributed in the area. There was no impact to drainage ditches, or surface waters as a result of this discharge.

COLLECTION SYSTEM OVERFLOWS FOR JULY 2009

The Novato Sanitary District Collection System had following overflows for July 2009:

Saturday, July 4, 2009, 1141 Elm Dr, Novato CA 94945, 10 gallon SSO – 50% Recovered

Monday, July 20, 2009, 0 N. Hamilton Parkway, Novato CA 94945, 25 gallon SSO

Tuesday, July 21, 2009, 0 Alameda del Prado, Novato CA 94949, 50 gallon SSO
– 100% Recovered

EVALUATION OF OVERFLOWS FOR JULY 2009

1141 Elm Dr: This discharge was caused by a root/rags blockage in the District main. Approximately 10 gallons discharged from the lateral cleanout in the backyard of 1141 Elm Dr. District personnel cleaned up the immediate area around the cleanout using shovels and debris bags and recovered approximately 50 percent of the discharge water. CCTV inspection of the main line found root intrusion at multiple joints during the inspection. The District will maintain this line segment using an accelerated P.M. schedule and chemical root abatement until the sewer mains in this area can be rehabilitated. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.

0 N. Hamilton Parkway: This discharge was caused by a surcharged force main that occurred when two pumps started up at the same time at E. Hamilton pump station while trouble shooting a problem with one of the pumps. There was no evidence of an ongoing overflow when District staff arrived, only a dry stain on the asphalt. Staff estimated the discharge to be approximately 25 gallons. They washed down the site and vacuumed up the wash-down water. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.

0 Alameda del Prado: This discharge was caused by a root/grease/rags blockage in the District main. Approximately 50 gallons discharged from the manhole at the intersection of Dusel Ct and Alameda del Prado. District personnel relieved the stoppage and cleaned up the overflow by washing down the area and vacuuming up the discharge and wash-down water. District staff recovered 100 percent of the overflow. CCTV inspection of the main line found root intrusion at multiple joints during the inspection. The District will maintain this line segment using an accelerated P.M. schedule and chemical root abatement until the problem can be resolved. There was no impact to storm drains, drainage ditches, or surface waters as a result of this discharge.