

## **Topic**

Utilities

## **Incident / Exercise**

Incident: Cumbria Floods November 2009

## **Background and Context**

Between Wednesday 18 November and Friday 20 November 2009, up to 372mm of rain fell on Cumbria. In the 24 hours ending 00:45 on Friday the 20<sup>th</sup>, 314mm of rain fell on Seathwaite. This is a record daily rainfall for the UK. The rainfall earlier in the week ensured that the ground was saturated in many areas. Flooding occurred in five out of the six Boroughs, the only one escaping being Barrow. The effect on properties was concentrated in Allerdale and South Lakeland with the most significant infrastructure damage occurring in Allerdale.

- One person lost their life
- 2,239 properties affected.
- 250 farms affected
- 25 bridges closed (for over 6 weeks)
- Significant highway road infrastructure damage
- Port of Workington closed (entrance to port obstructed by debris washed downstream)
- 40 out of 300 waste water treatment works affected Economic impact on surrounding areas caused by infrastructure issues
- 3,057 businesses affected
- 80% of businesses in Cockermouth affected by flooding
- Estimated costs of £2m per week to public and private sectors and the Communities caused by increased travel time
- 461 additional pupils requiring school transport
- Lake District National Park had 319 separate reports of damage to the rights of way network.

## **How the Topic was Handled**

Recovery planning began early whilst the response was still on going. This allowed key partners to get together and set up sub working groups on Welfare, Business, Environment, Communications, Finance and Infrastructure, in line with the Recovery Plan, to prepare for the recovery phase and quickly respond once the emergency was over. Community recovery groups were also established. The following case study relates to one year on after the floods to place in context the size; scale and duration of the recovery work.

## **Water and wastewater**

Repairs to the damaged water mains network have now been completed by United Utilities. Damage to the road bridges at Isel and Low Lorton also damaged the water mains, but both of these locations now have water mains relaid under the river bed. Damaged water mains have also been replaced in Workington and Braithwaite, near Keswick as part of an overall £450,000 repair scheme in the county. United Utilities also started work in January 2010 on a new £3.4m wastewater pumping station at Willowholme in Carlisle to reduce the risk of flooding and this was completed in September 2010.

## **Lessons Identified**

Key lessons were the need to resource the recovery group with project management and administration support. The first Recovery Coordination meeting was held on 21 November and it was clear more time in recovery training is required. The transition from day to day business mode into immediate action and response was challenging for some of the Senior Managers. This could have been made easier by more focus on training and exercising in recovery.

## **Contacts for Further Information**

[emergency.planning@cumbriacc.gov.uk](mailto:emergency.planning@cumbriacc.gov.uk)

Mike Smyth  
Assistant Director Public Protection  
Email: [Mike.smyth@cumbriacc.gov.uk](mailto:Mike.smyth@cumbriacc.gov.uk)