

DISASTER AID INTERNATIONAL  
PALU, INDONESIA REPORT

**Sunday December 16, 2018**

SkyHydrant # 6 installed. Our translator had been contacted by Mr Yohanes who had suggested that, with the consent of Mr Hasan, as the transit camp at Lero is running late, the SkyHydrant be installed temporarily in the adjacent village. The streets there are full of tents for people who will move to the transit camp. The SkyHydrant, and tank that they provided, are in the garden of a local councillor but with the only clean water outlet onto the street. Good security, and Mr Yohanes will arrange for a weather cover. The SkyHydrant was well received by local residents.

Then attended at the Rotary Camp and met with the Rotarians celebrating the completion of their project and we were actively drawn into this by them and they were very grateful for our assistance. Did a Sawyer demo before being invited to dinner in very opulent surroundings. The resident families were not present but we will attend and demo, train and issue Sawyer filters.

Plan for Monday

Speak with Mr Wawan and issue Sawyer filters at Rotary Camp.

**Monday December 17, 2018**

Met with Mr Alvin from PDMA (as Mr Wawan was unavailable) and a number of locations suggested for SkyHydrant installations including Camp Layana that we had previously assessed following a lead from PMI. We did not revisit Layana but have agreed to this.

Attended Pantoloan Camp with officials. It already has a 4 outlet Lifestraw filters and a Chinese reverse osmosis filter but we also surveyed a new transit camp which is being constructed nearby and agreed to install a SkyHydrant there. Around 240 families in the area will benefit. The camp manager, Mr Mustamin, was identified and he will keep the SkyHydrant secure and maintain it. He assured us that the water has previously been tested and is suitable.

On return to PDMA office we finally met with Mr Wawan and his supervisor Mr Ali Abdullah who are both in full agreement with our plans and are supplying the necessary tanks etc. Plan is to install both on Tuesday. Usual round of photographs. Mr Abdullah plans to come and observe our installations and was very receptive. By co-incidence, Mr Herman, the manager for Camp Kawatuna, the site of SkyHydrant #2, was present and the situation re lack of maintenance explained to him and Mr Wawan and Mr Abdullah and they will progress the matter. We will do further training as required.

Reported the damaged SkyHydrant #1 to Mr Wawan and Mr Abdullah as a result of improper use. They will arrange for an engineer to assess if they can make a repair. We hope to be present for this.

Later, attended Rotary Camp and met with Rotarians but no resident families there. They will contact us to attend when families are present to demo, train and issue Sawyer filters.

Plan for Tuesday

Collect two remaining SkyHydrants from Mr Presly and then meet with PDMA and install them. If time permits, a courtesy visit to Mr Hasan to thank him for his assistance but also to emphasise the importance of proper maintenance and to instil the discipline from a management level. Attend Camp Rotary re Sawyer filters as appropriate.

## **Tuesday December 18, 2018**

Attended BPBD to see Mr Presly to get SkyHydrants released for installation. This turned into a meeting with Mr Sidi Head of Emergency Logistics and Mr Alvin. Mr Sidi expressed concerns about installing SkyHydrant into Camp Layana which is relying on trucked water. They now wish SkyHydrant to be plumbed only to piped water and not delivered (see below). Discussed the fact that a well was being progressed. Eventually agreed to supply tank and stand for Pantaloan Camp and Mr Alvin was to accompany. Mr Abdullah who had expressed interest yesterday was no longer available. A van with two employees and a tank followed us to the site at Pantaloan where they left us. There was no tank stand on our arrival and having contacted Mr Alvin he attended but in reality no help provided by any of the local officials. We found that the piped water pressure was insufficient for our needs and looked at a nearby mosque and the village heads house. Mr Zal, the village head has government supplied water storage tanks and high stand with an electric pump from a well but it is a bit too far outside the village. Although he was keen and happy for villagers and camp residents to collect water from there, we felt it was far enough away to discourage people and so far have not acted on that. In some ways a good location but not if affected people will not use it.

We then attended at Camp Layana which we had previously visited. It now turns out that there is a problem with the trucked water. Apparently flooding in the mountains has impacted on the supplies of trucked water and there is virtually none at Camp Layana. This was also the case at the Turkish Red Crescent camp we visited yesterday.

We asked the camp manager Mr Asmir about the situation and he was a bit downhearted re the lack of water. He did say that the well was complete and had been tested but was not wired for electricity nor had piping to the area needed. 530 residents of the camp have virtually no water except what they can buy and a small amount piped from neighbouring properties. When asked about when the pump would be operational he said "a couple of day". We decided to try and gee things up and had him contact PMI and the camp manager who we met previously, Mr Nanang, came out and says he will install piping on Wednesday. We then attended at the office of Mr Syansul Head Co-ordinator SHELTER for Palu and having gained his co-operation he says he will have electricians on site at 1000 Wednesday 19<sup>th</sup>. If both jobs are carried out, we will install a SkyHydrant and tank. Much depends upon others doing what they have agreed to do but if it comes off we will have significantly impacted upon the needs of the tented community for water. Mr Syansul also confirmed there are problems with trucked water.

Mr Syansul also suggested Camp Silae which he surveyed on 8/12/18 as a potential SH location.

We now have possession of 1 x SkyHydrant, Mr Presly still has the other.

Plan for Wednesday

Priority is Camp Layana and other tasks will be dictated by the response we get.

## **Wednesday December 19, 2018**

Attended Mr Syamsul's office and he informed us that electricians were already on site at Camp Layana to install power to well pump. Mr Fuad PMI Co-ordinator Palu City also there and arranged for them to attend re fixing piping from well to SkyHydrant. Discussed Pantaloan with Mr Syamsul and we agreed best option was to install SkyHydrant at house of village head Mr Zal and that families from all around would use the water and attend there willingly to collect. At that point, we agreed to install SkyHydrant at Pantaloan on 20 December.

Update from Rotary Camp that Mr Razak is unsure how many families have currently moved in, but the requested list of recipients has been sent to our translator and will then be forwarded to

us via Whatsap. Spoke with Mr Rizal, Mr Hasan's deputy to advise re need for good protocols for maintenance.

En route to Camp Layana we visited Camp Pepisir SkyHydrant #4 and confirmed that the unit is now inside a toilet and secure and protected from elements. It is being well used and there was no water being boiled in the large bins as on our first visits. Clear evidence of good use and maintenance. Camp manager and residents very happy.

Then attended Camp Layana where electricity was just being completed and after a short while we saw water being pumped from the well. PMI had not arrived by that point but as we were leaving at 14.30, they were arriving to install piping.

We took the decision to attend Pantaloan and install the SkyHydrant there instead of waiting for piping at Layana. We successfully installed the SkyHydrant at Mr Zal's garden and he confirmed that 400 families are in the area, 200 of which are displaced. Five villages and two transit camps currently in construction will benefit. The local mosque will advertise the availability of the free safe drinking water. A further factor in our decision is that Mr Zal appears to be a well educated, respectable leader who cares for his community and looks likely to maintain the SkyHydrant properly. Having installed the SkyHydrant, there was an electrical power cut which affected the pump from the well and we were unable to complete the install and do the training. We will return tomorrow.

We then returned to Camp Layana to find the piping virtually complete with a tank and tank stand in place. We will install the SkyHydrant tomorrow. The site is beside the manager's office and thus secure and he will arrange for a weather cover to be installed. Mr Ashmir the Camp Manager very pleased with the rapid turnaround in his water situation which will hopefully be complete by tomorrow.

Plan for tomorrow

Attend Camp Layana and install final SkyHydrant after collecting same from Mr Presly, and train Mr Ashmir. Then attend Pantaloan and complete the installation there and train Mr Zal. Do not anticipate much free time after that, but next priority will be Rotary Camp and the Sawyer filters if time allows.

Enio from Rotaract who we met at the weekend contacted us and requested to accompany us and we have arranged for her to meet us at our hotel.

#### **Thursday December 20, 2018**

Having collected the final SkyHydrant from Mr Presly's office we attended at Camp Layana and installed it. They were still doing final snagging checks on their pipework so we left and attended Pantaloan and trained Mr Zal and his staff in the use and maintenance of the SkyHydrant.

We returned to Layana and trained Mr Asmir and his staff.

Attended Biromaru Camp to check SkyHydrant #5 there as we had had a report the machine was leaking at the top. On arriving and speaking to the operator, he had worked out for himself that the handle mechanism was just needed tightened down slightly. It was evident that the SkyHydrant is being well maintained and is in demand. We were told that it operates in the morning and at 1700 hrs and large crowds gather to collect water. A sign in Bahasa explains that the water is free for all but only for drinking not washing or washing cars or other things.

We then went to the nearby Rotary Camp but no Rotarians were present and only one family has moved in the temporary housing huts or 'Huntara'. Having spoken to Mr Razak later, it appears that there are problems with the camp electricity at the moment. We intend to progress the issue of Sawyer filters and a strategy for the Family Survival Kits.

We revisited the Orphanage we had made contact with previously and, having provided them previously with art materials, we collected pictures for the children from Ashgrove Academy, Macclesfield whose pictures and messages of support we had brought.

Plan for Friday:

With two full days left and all SkyHydrants installed our priorities are to agree a strategy with Rotary for the Family Survival Kits and issue the Sawyer filters. We will do follow up visits to SkyHydrants #6, #7 and #8. We also intend to carry out some courtesy visits to the officials who have assisted us. We would also like to do something more tangible for the Orphanage and are exploring possibilities.

Finally, a Rotarian from Anglesey in Wales, John Chamberlain is arriving in Palu on Friday and if possible we will meet with him.

### **Friday December 21, 2018**

Visited site of SkyHydrant #2 but no sign of any use and appeared in the same condition we had left it in.

We arranged with Mr Razak to meet with the people moving into the Rotary Camp at 14.00H on Saturday to demo and issue the Sawyer filters.

We began our goodbye and thank you courtesy visits including Mr Presly, Mr Sidi, Mr Syamsul and Mr Saiful all of whom were appreciative and grateful for all the team's efforts. Mr Hasan who was of great help is away on business but we passed our message via our translator and he echoed the same sentiments by WhatsApp message.

Visited the children's orphanage and donated a sack of rice, eggs and enough mattresses for the children to sleep on.

Met with visiting Rotarian John Chamberlain and he accompanied us on some of our visits. He has no fixed ideas for his own visit but was greatly impressed by both the SkyHydrants and Sawyer filters and intends to observe our demo tomorrow.

Plan for tomorrow - Saturday

Visit site of SkyHydrant # 6 at Lero, then #7 and #8 on the way back. Courtesy visits to other officials as available and attend Rotary Camp for demo and issue of Sawyers filters.

### **Saturday 22 December**

Attended Camp Lero to check SkyHydrant # 6. The water from the mains supply is quite dirty and thus the output after backwashing is dirty but the filtered water is perfectly clear. Good evidence of maintenance and use. Local people from far and near are using the water and we were told that villagers from Toaya 3km away are attending for water. Apparently particularly busy around 1600 hrs each day.

Then visited Pantaloan re SkyHydrant #7 and again the unit is being well maintained. Not as many people using as yet, more advertising required and this is in hand. Mr Zal is going to seek official help for extra electrical power for the pump from Mr Syamsul and is going to construct a concrete base at the output tap as the bare ground is getting a bit wet.

Attended Camp Layana and on arrival Eva, a camp resident, was filling two separate gallon containers and was delighted with the water. Other residents arrived to collect water as we spoke to a very happy Mr Asmir, the Camp manager. Plenty of evidence of good use and maintenance.

Attended, as arranged, at the Rotary Camp and demonstrated the Sayers filters to around 25 people who will shortly be moving into the camp. Enthusiastically received and a good number drank the filtered water and physically handled the filter and back-flushed it. Rotary under Mr Razak now have the filters and will issue to the residents as they take up occupancy. Enio, from Rotaract, whom we previously met and who is acting as John Chamberlain's guide has been trained in demonstrating the filters and is very enthusiastic about the product and will do a good job if any further training is required.

John Chamberlain (Rotarian from Anglesey, Wales) was also at Rotary Camp and has re-visited the orphanage and is investigating ways that he could help rebuild which is a substantial project.

Toolbox and remaining plumbing supplies will be held by our translator awaiting the return of the Australian DART in January.

Plan for tomorrow.

Flight leaves Palu at 16.00H and some admin and site-seeing before departing.