```
                        &request[cur_buf],
                        &status);

                // CHECK STATUS FOR ERROR
                if (status != MRAPI_SUCCESS) {
                  ERR("Unable to initiate a remote memory write for DMA");
                }
                // Switch to use other buffer for processing, while
                // existing results are written back.
                cur_buf = 1 - cur_buf;

                /* Wait for previous write operation to complete */
                if(!first)
                {
                      mrapi_wait(&request[cur_buf], &status, NO_TIMEOUT);
                      if (status != MRAPI_SUCCESS) {
                        ERR("Unable to complete remote memory write DMA");
                      }
                } else {
                      first = false;
                }

        }

} while(next_entity_to_process.next != NULL);

/* Check to see if there is a partial buffer of results still to write
 back */
if((num_entities_processed % BUFFER_SIZE) != 0)
{

        // CHECK STATUS FOR ERROR - DETAILS OMITTED

        /* Issue non-blocking DMA of final results back to Node 1's
               memory */
        mrapi_rmem_write_i(dma_hndl,
              num_entities_processed*sizeof(float),
              result_buffers[cur_buf],
              0,
              (num_entities_processed % BUFFER_SIZE)*sizeof(float),
              1, /* num_strides is 1 */
              0, /* rmem_stride is irrelevant */
              0, /* local_stride is irrelevant */
              &request[cur_buf],
              &status);

        // CHECK STATUS FOR ERROR - DETAILS OMITTED
        if (status != MRAPI_SUCCESS) {
          ERR("Unable to initiate a remote memory write for DMA");
        }
        cur_buf = 1 - cur_buf;
```